

updated.txt

From: Olson, Bryan  
Sent: Tuesday, August 20, 2019 9:57 AM  
To: Szaro, Deb  
Cc: Gutro, Doug; Melanson, Kate; Dumville, Kelsey; Cianciarulo, Robert  
Subject: Re: NH HB 494 on Coakley Landfill

From: Olson, Bryan  
Sent: Thursday, July 25, 2019 4:23 PM  
To: Szaro, Deb; Zucker, Audrey  
Cc: Dierker, Carl; Jerison, Joanna; Cianciarulo, Robert; Dumville, Kelsey; Bataille, Valerie; Catri, Cindy  
Subject: RE: Heads up on Coakley IG matter

From: Olson, Bryan  
Sent: Thursday, July 25, 2019 4:21 PM  
To: Szaro, Deb; Zucker, Audrey  
Cc: Dierker, Carl; Jerison, Joanna; Cianciarulo, Robert; Dumville, Kelsey; Bataille, Valerie; Catri, Cindy  
Subject: RE: Heads up on Coakley IG matter

From: Olson, Bryan  
Sent: Thursday, July 25, 2019 12:30 PM  
To: Mindi Messmer  
Cc: Renny Cushing; Phil Bean; Mike Edgar; Patricia Bushway; Clark, Peter (Shaheen); Patrick Carroll; Holmes, Kerry (Hassan); Sarah Holmes; Kari.thurman@mail.house.gov; TVS4@cdc.gov  
Subject: RE: Health Study - Coakley Landfill

Subject: Health Study - Coakley Landfill  
Location: Bryan's office

Start: Thu 7/25/2019 11:00 AM  
End: Thu 7/25/2019 11:30 AM  
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Dumville, Kelsey  
Required Attendees: Olson, Bryan; Cianciarulo, Robert; Gutro, Doug; Hull, Richard; Taylor, Melissa; Cassidy, Meghan; Somers, Tarah  
Optional Attendees: Somers, Tarah S. (ATSDR/DCHI/EB); Perlman, Gary D. (ATSDR/DCHI/EB)

From: Olson, Bryan  
Sent: Thursday, July 25, 2019 9:24 AM  
To: Dumville, Kelsey

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Subject: RE: Health Study - Coakley Landfill

From: Dumville, Kelsey  
Sent: Thursday, July 25, 2019 7:03 AM  
To: Olson, Bryan  
Subject: RE: Health Study - Coakley Landfill

Subject: Health Study - Coakley Landfill

Start: Thu 7/25/2019 11:00 AM  
End: Thu 7/25/2019 11:30 AM  
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Dumville, Kelsey  
Required Attendees: Olson, Bryan; Cianciarulo, Robert; Gutro, Doug; Hull, Richard; Taylor, Melissa; Cassidy, Meghan; Somers, Tarah

From: Dumville, Kelsey  
Sent: Wednesday, July 24, 2019 8:33 AM  
To: Olson, Bryan; Cianciarulo, Robert; Gutro, Doug; Hull, Richard; Taylor, Melissa; Cassidy, Meghan; Somers, Tarah; TVS4@cdc.gov  
Subject: RE: Health Study - Coakley Landfill

From: Olson, Bryan  
Sent: Tuesday, July 23, 2019 10:22 PM  
To: Cianciarulo, Robert; Gutro, Doug; Dumville, Kelsey; Hull, Richard; Taylor, Melissa; Cassidy, Meghan; Somers, Tarah  
Subject: Fwd: Health Study - Coakley Landfill

From: Olson, Bryan  
Sent: Thursday, July 18, 2019 10:42 AM  
To: Hull, Richard  
Cc: Dumville, Kelsey; Cianciarulo, Robert; Taylor, Melissa; Sherman, RuthAnn  
Subject: RE: Coakley Update - 7/18/19

From: Olson, Bryan  
Sent: Wednesday, July 17, 2019 8:06 AM  
To: R1FOIAOffice; Dumville, Kelsey  
Cc: Lao, Judy; Knapp, Michael  
Subject: RE: FOIA Request Re: Coakley Landfill SF Site - 007300, due 8/12/19 - Step 2

From: Olson, Bryan  
Sent: Tuesday, July 16, 2019 5:27 PM

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To: Dumville, Kelsey  
Cc: Schena, Cristeen; Lao, Judy; Norcross, Jeffrey; Gutro, Doug; Deegan, Dave; Taylor, Melissa; Sherman, RuthAnn; Hull, Richard; Smart, Mark  
Subject: Re: FOIA Request Re: Coakley Landfill SF Site - 007300, due 8/12/19  
- Step 1

From: Olson, Bryan  
Sent: Monday, July 08, 2019 4:15 PM  
To: Dumville, Kelsey  
Subject: RE: Coakley fact sheet\_.docx

From: Dumville, Kelsey  
Sent: Monday, July 08, 2019 3:43 PM  
To: Olson, Bryan  
Subject: Re: can you send me a fact sheet on Coakley

From: Olson, Bryan  
Sent: Monday, July 08, 2019 3:36 PM  
To: Dumville, Kelsey  
Subject: FW: can you send me a fact sheet on Coakley

From: Olson, Bryan  
Sent: Tuesday, June 25, 2019 12:29 PM  
To: Dumville, Kelsey  
Subject: Re: OIG observation of Coakley Landfill meeting tomorrow

Thank you! Will be back in tomorrow.

Sent from my iPhone

> On Jun 25, 2019, at 8:10 AM, Dumville, Kelsey <Dumville.Kelsey@epa.gov> wrote:  
>  
> Way better than anything happening on this email. I hope you are out on the desk enjoying the great weather! Check out the Bike Stop café sometime, cool spot.  
>  
> Kelsey Dumville  
> Public Affairs Office  
> Senior Community Involvement Coordinator  
> Office: 617-918-1003  
> Cell: 857-998-0226  
>  
> -----Original Message-----  
> From: Olson, Bryan  
> Sent: Monday, June 24, 2019 6:02 PM  
> To: Dumville, Kelsey <Dumville.Kelsey@epa.gov>  
> Subject: Re: OIG observation of Coakley Landfill meeting tomorrow  
>  
> At Trio in Narragansett.

updated.txt

>  
> Sent from my iPhone  
>  
>> On Jun 24, 2019, at 4:21 PM, Dumville, Kelsey <Dumville.Kelsey@epa.gov> wrote:  
>>  
>> FYI  
>>  
>> Kelsey Dumville  
>> Public Affairs Office  
>> Senior Community Involvement Coordinator  
>> Office: 617-918-1003  
>> Cell: 857-998-0226  
>>  
>> -----Original Message-----  
>> From: Trynosky, Jill  
>> Sent: Monday, June 24, 2019 3:54 PM  
>> To: Dumville, Kelsey <Dumville.Kelsey@epa.gov>  
>> Cc: Taylor, Melissa <Taylor.Melissag@epa.gov>; Hull, Richard  
>> <Hull.Richard@epa.gov>; Lovingood, Christina <Lovingood.Tina@epa.gov>; Henry,  
>> Natasha <Henry.Natasha@epa.gov>; Collier, Morgan <collier.morgan@epa.gov>  
>> Subject: OIG observation of Coakley Landfill meeting tomorrow  
>>  
>> Kelsey,  
>>  
>> Good Afternoon. The OIG will be sending someone to observe the EPA's public  
meeting on the Coakley Landfill tomorrow evening. It will not be anyone from the  
audit team. This is consistent with the OIG's observation of the EPA's public  
meeting in Franklin, Indiana for the Amphenol RCRA site.  
>>  
>> If you have any questions, please let me know.  
>>  
>> Thank you,  
>> Jill Trynosky  
>> OIG Project Manager  
>> 202-566-2718  
>>  
>>  
From: Dumville, Kelsey  
Sent: Tuesday, June 25, 2019 8:11 AM  
To: Olson, Bryan  
Subject: RE: OIG observation of Coakley Landfill meeting tomorrow

Way better than anything happening on this email. I hope you are out on the desk  
enjoying the great weather! Check out the Bike Stop café sometime, cool spot.

Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator

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Office: 617-918-1003  
Cell: 857-998-0226

-----Original Message-----

From: Olson, Bryan  
Sent: Monday, June 24, 2019 6:02 PM  
To: Dumville, Kelsey <Dumville.Kelsey@epa.gov>  
Subject: Re: OIG observation of Coakley Landfill meeting tomorrow

At Trio in Narragansett.

Sent from my iPhone

> On Jun 24, 2019, at 4:21 PM, Dumville, Kelsey <Dumville.Kelsey@epa.gov> wrote:

>

> FYI

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> Kelsey Dumville

> Public Affairs Office

> Senior Community Involvement Coordinator

> Office: 617-918-1003

> Cell: 857-998-0226

>

> -----Original Message-----

> From: Trynosky, Jill

> Sent: Monday, June 24, 2019 3:54 PM

> To: Dumville, Kelsey <Dumville.Kelsey@epa.gov>

> Cc: Taylor, Melissa <Taylor.Melissag@epa.gov>; Hull, Richard  
<Hull.Richard@epa.gov>; Lovingood, Christina <Lovingood.Tina@epa.gov>; Henry,  
Natasha <Henry.Natasha@epa.gov>; Collier, Morgan <collier.morgan@epa.gov>

> Subject: OIG observation of Coakley Landfill meeting tomorrow

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> Kelsey,

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>

> Thank you,

> Jill Trynosky

> OIG Project Manager

> 202-566-2718

>

>

From: Olson, Bryan

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Sent: Monday, June 24, 2019 6:02 PM  
To: Dumville, Kelsey  
Subject: Re: OIG observation of Coakley Landfill meeting tomorrow

At Trio in Narragansett.

Sent from my iPhone

> On Jun 24, 2019, at 4:21 PM, Dumville, Kelsey <Dumville.Kelsey@epa.gov> wrote:

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> FYI

>

> Kelsey Dumville

> Public Affairs Office

> Senior Community Involvement Coordinator

> Office: 617-918-1003

> Cell: 857-998-0226

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> -----Original Message-----

> From: Trynosky, Jill

> Sent: Monday, June 24, 2019 3:54 PM

> To: Dumville, Kelsey <Dumville.Kelsey@epa.gov>

> Cc: Taylor, Melissa <Taylor.Melissag@epa.gov>; Hull, Richard

<Hull.Richard@epa.gov>; Lovingood, Christina <Lovingood.Tina@epa.gov>; Henry,

Natasha <Henry.Natasha@epa.gov>; Collier, Morgan <collier.morgan@epa.gov>

> Subject: OIG observation of Coakley Landfill meeting tomorrow

>

> Kelsey,

>

> Good Afternoon. The OIG will be sending someone to observe the EPA's public meeting on the Coakley Landfill tomorrow evening. It will not be anyone from the audit team. This is consistent with the OIG's observation of the EPA's public meeting in Franklin, Indiana for the Amphenol RCRA site.

>

> If you have any questions, please let me know.

>

> Thank you,

> Jill Trynosky

> OIG Project Manager

> 202-566-2718

>

>

Subject: FW: Briefing on the OIG's Listening Session for the Coakley Landfill Superfund Site

Location: Conference call - see invite for details

Start: Tue 6/18/2019 3:00 PM

End: Tue 6/18/2019 4:00 PM

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Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Trynosky, Jill

From: Olson, Bryan  
Sent: Wednesday, June 12, 2019 2:08 PM  
To: Dumville, Kelsey; Gutro, Doug; Norcross, Jeffrey; Cassidy, Meghan  
Cc: Taylor, Melissa; Hull, Richard  
Subject: RE: Briefing on the OIG's Listening Session for the Coakley Landfill Superfund Site

From: Dumville, Kelsey  
Sent: Wednesday, June 05, 2019 7:48 AM  
To: Olson, Bryan  
Cc: Gutro, Doug; Norcross, Jeffrey  
Subject: RE: Daily News Clips, Wednesday, June 5, 2019

From: Olson, Bryan  
Sent: Tuesday, May 28, 2019 9:57 AM  
To: Dumville, Kelsey; Cianciarulo, Robert; Hull, Richard; Taylor, Melissa  
Cc: Gutro, Doug  
Subject: RE: OIG call follow up

From: Dumville, Kelsey  
Sent: Tuesday, May 28, 2019 9:55 AM  
To: Olson, Bryan; Cianciarulo, Robert; Hull, Richard; Taylor, Melissa  
Cc: Gutro, Doug  
Subject: OIG call follow up

From: Olson, Bryan  
Sent: Thursday, May 02, 2019 2:14 PM  
To: Hull, Richard  
Cc: Dumville, Kelsey; Cianciarulo, Robert; Taylor, Melissa  
Subject: RE: Coakley Update - 3/21/19

Thank you Skip.

From: Hull, Richard  
Sent: Thursday, May 02, 2019 1:57 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov>;  
Cc: Dumville, Kelsey <Dumville.Kelsey@epa.gov>; Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>;  
Subject: RE: Coakley Update - 3/21/19

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Yes. Phil Harte at USGS is continuing to work on the site-specific bedrock flow model for Coakley under an IAG. The model will use existing and more recent site-specific data being collected as part of the ongoing bedrock investigation and will be more focused in scope than the historic USGS regional model that is sometimes referred to.

Richard W. Hull, Project Manager  
USEPA New England, Region 1  
5 Post Office Square, Suite 100, 7-1  
Boston, MA 02109-3912  
Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Olson, Bryan  
Sent: Thursday, May 02, 2019 12:25 PM  
To: Hull, Richard <Hull.Richard@epa.gov>;  
Cc: Dumville, Kelsey  
<Dumville.Kelsey@epa.gov>; Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov>; Taylor, Melissa  
<Taylor.Melissag@epa.gov>;  
Subject: RE: Coakley Update - 3/21/19

This is great. Thank you Skip. I do have one question. Is USGS doing any modelling work?

From: Hull, Richard  
Sent: Thursday, May 02, 2019 12:19 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov>;  
Cc: Dumville, Kelsey  
<Dumville.Kelsey@epa.gov>; Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov>; Taylor, Melissa  
<Taylor.Melissag@epa.gov>;  
Subject: RE: Coakley Update - 3/21/19

Hi Bryan. Bi-weekly (although I think it's been 3 weeks) update for Coakley.

Let me know if you have any questions.

Skip

Updated May 2, 2019

1. EPA worked with the OIG to respond to questions and document request regarding risk communication at Coakley. This was part of a larger audit that includes other sites from around the country.



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2. CLG's contractor has initiated an investigation to identify additional groundwater and leachate discharge points that may be present in wetlands downstream of the landfill. CLG has confirmed locations of groundwater discharge in to surface water and has installed additional piezometers to isolate shallow groundwater for sampling. This is being done in conjunction with the sampling of surface runoff from the landfill cap to further delineate and distinction between contamination in groundwater and surface runoff that may be entering the wetland area.

3. As part of the CLG's ongoing investigation of the extent of PFAS contamination associated with the landfill cap material and stormwater runoff, its consultant is assessing landfill cap performance using EPA's Hydrologic Evaluation of Landfill Performance (HELP) model. Additional wet weather sampling of surface and underdrain discharge locations will be conducted in early May.

4. CLG submitted results from packer testing of three bedrock boreholes installed as part of the ongoing bedrock investigation. The boreholes were installed to the north, north-west, and due west of the landfill. The results for the well installed to the west of the landfill (about 1300 feet from the landfill and 3000 feet from Falls Way), was ND for PFAS and 1,4 dioxane. The other two wells had low-level detections of both PFAS (high = 4.62 ng/L PFOA) and 1,4 dioxane (high = 0.55 ug/L). We have not drawn any conclusions from this isolated data and will be compiling it with the rest of the bedrock investigation data to update the conceptual site model.

EPA and NHDES are working with CLG on a plan for retaining the open boreholes for future data collection and pump testing, prior to completing the boreholes as monitoring wells.

5. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation. CLG has also made recommendations of fracture intervals to be sampled using inflatable packer testing.

EPA and DES have reviewed the recommendations and will be providing comments. The sampling will likely be conducted in late May. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock. CLG continues to pursue access to at least 2 more historic bedrock wells, and is coordinating with EPA to issue an Access Orders to one of the property owners.

6. CLG will be conducting spring sampling, including sampling for PFAS at about 20 residential wells, in early May.

7. EPA and DES will be meeting with CLG and its contractors on May 15 for an update on the deep bedrock investigation which has now been ongoing for about one year. This meeting will provide an opportunity for updating the conceptual site model and for scoping tasks for the remainder of the bedrock investigation.

8. CLG submitted a draft 2018 sampling results report on March 12. Most results from the fall monitoring round are consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents that were sampled. In the report, CLG recommends a number of changes to

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the monitoring program, including reducing groundwater monitoring well and residential well sampling from semi-annually to annually. EPA is coordinating with NHDES to respond to this recommendation.

9. EPA issued a response to the CLG's fish tissue sampling results report on March 18. EPA's response outlined the focused risk assessment that was conducted by EPA based on the fish tissue results for PFAS. The response also outlined the data validation that was conducted by EPA. After review of the data and performance of the focused risk assessment, EPA concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's acceptable risk limit of HI =1, and that no further fish tissue sampling is required at this time.

Richard W. Hull, Project Manager  
USEPA New England, Region 1  
5 Post Office Square, Suite 100, 7-1  
Boston, MA 02109-3912  
Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Hull, Richard  
Sent: Thursday, April 04, 2019 12:07 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov>&gt;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>&gt;; Dumville, Kelsey <Dumville.Kelsey@epa.gov>&gt;; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>&gt;; Taylor, Melissa <Taylor.Melissag@epa.gov>&gt;  
Subject: RE: Coakley Update - 3/21/19

Hi Bryan,

Hi Bryan. Bi-weekly update for Coakley.

Let me know if you have any questions.

Skip

Updated April 4, 2019

1. CLG's contractor has initiated an investigation to identify additional groundwater and leachate discharge points that may be present in wetlands downstream of the landfill. This is being done in conjunction with the sampling of surface runoff from the landfill cap to further delineate and distinction between contamination in groundwater and surface runoff that may be entering the wetland area.

2. Samples of storm water runoff and infiltration from the landfill cover,

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retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. Samples of landfill cover materials were also collected in November. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material.

Preliminary results show high levels of PFAS in runoff from both the landfill cover and underdrain discharges. The landfill cover material and top soil also contained high levels of PFAS. These results are preliminary and have not been submitted or published. Additional wet weather sampling at these locations will be conducted in late April/ early May. EPA and NHDES provided comments for modifications to the sampling and additional sampling that should be incorporated in to the spring sampling round.

3. CLG submitted results from packer testing of three bedrock boreholes installed as part of the ongoing bedrock investigation. The boreholes were installed to the north, north-west, and due west of the landfill. The results for the well installed to the west of the landfill (about 1300 feet from the landfill and 3000 feet from Falls Way), was ND for PFAS and 1,4 dioxane. The other two wells had low-level detections of both PFAS (high = 4.62 ng/L PFOA) and 1,4 dioxane (high = 0.55 ug/L). We have not drawn any conclusions from this isolated data and will be compiling it with the rest of the bedrock investigation data to update the conceptual site model.

EPA and NHDES are working with CLG on a plan for retaining the open boreholes for future data collection and pump testing, prior to completing the boreholes as monitoring wells.

4. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation, and is pursuing access to at least 2 more historic bedrock wells. CLG will submit a report that compiles the geophysical survey information from these wells and recommends fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock.

5. CLG submitted a draft 2018 sampling results report on March 12. Most results from the fall monitoring round are consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents that were sampled. In the report, CLG recommends a number of changes to the monitoring program, including reducing groundwater monitoring well and residential well sampling from semi-annually to annually. EPA is coordinating with NHDES to respond to this recommendation.

6. EPA issued a response to the CLG's fish tissue sampling results report on March 18. EPA's response outlined the focused risk assessment that was conducted by EPA based on the fish tissue results for PFAS. The response also outlined the data validation that was conducted by EPA. After review of the data and performance of the focused risk assessment, EPA concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's acceptable risk limit of HI =1, and that no further fish tissue sampling is required at this

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time.

Richard W. Hull, Project Manager  
USEPA New England, Region 1  
5 Post Office Square, Suite 100  
OSRR07-1  
Boston, MA 02109-3912  
Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Hull, Richard  
Sent: Thursday, March 21, 2019 10:36 AM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>;  
Subject: RE: Coakley Update - 3/21/19

Hi Bryan,

Coakley bi-weekly update. Not a lot of significance since two weeks ago, but let me know if you have any questions.

Skip

Updated March 21, 2019

1. EPA and NHDES met with met with CLG's project manager, Peter Britz, and consultants on February 27, to discuss the results from stormwater runoff sampling. Samples of storm water runoff and infiltration from the landfill cover, retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. Samples of landfill cover materials were also collected in November. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Preliminary results show high levels of PFAS in runoff from both the landfill cover and underdrain discharges. The landfill cover material and top soil also contained high levels of PFAS. These results are preliminary and have not been submitted or published. Additional wet weather sampling at these locations will be conducted in the spring. EPA and NHDES provided comments for modifications to the sampling and additional sampling that should be incorporated in to the spring sampling round.

2. CLG submitted results from packer testing of three bedrock boreholes installed as part of the ongoing bedrock investigation. The boreholes were installed to the

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north, north-west, and due west of the landfill. The results for the well installed to the west of the landfill (about 1300 feet from the landfill and 3000 feet from Falls Way), was ND for PFAS and 1,4 dioxane. The other two wells had low-level detections of both PFAS (high = 4.62 ng/L PFOA) and 1,4 dioxane (high = 0.55 ug/L). We have not drawn any conclusions from this isolated data and will be compiling it with the rest of the bedrock investigation data to update the conceptual site model.

EPA and NHDES are working with CLG on a plan for retaining the open boreholes for future data collection and pump testing, prior to completing the boreholes as monitoring wells.

3. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation, and is pursuing access to at least 2 more historic bedrock wells. CLG will submit a report the week of March 25, that compiles the geophysical survey information from these wells and recommends fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock.

4. CLG submitted a draft 2018 sampling results report on March 12. Most results from the fall monitoring round are consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents that were sampled.

5. EPA issued a response to the CLG's fish tissue sampling results report on March 18. EPA's response outlined the focused risk assessment that was conducted by EPA based on the fish tissue results for PFAS. The response also outlined the data validation that was conducted by EPA. After review of the data and performance of the focused risk assessment, EPA concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's acceptable risk limit of HI =1, and that no further fish tissue sampling is required at this time.

6. An update to the community contact list will be provided next week and will include links to all recent reports and correspondence.

Richard W. Hull, Project Manager  
USEPA New England, Region 1  
5 Post Office Square, Suite 100  
OSRR07-1  
Boston, MA 02109-3912  
Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Hull, Richard  
Sent: Thursday, March 07, 2019 11:48 AM  
To: Olson, Bryan <Olson.Bryan@epa.gov><mailto:Olson.Bryan@epa.gov>&gt;

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Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>;  
Subject: RE: Coakley Update -12/12/18

Hi Bryan,

I'm back on the bi-weekly schedule for the updates for Coakley. A significant development is the results from the sampling of stormwater runoff, underdrain collection system discharge and material from the landfill cover (see below).

Let me know if you have any questions.

Skip

Updated March 7, 2019

1. CLG submitted results from packer testing of three bedrock boreholes installed as part of the ongoing bedrock investigation. The boreholes were installed to the north, north-west, and due west of the landfill. The results for the well installed to the west of the landfill (about 1300 feet from the landfill and 3000 feet from Falls Way), was ND for PFAS and 1,4 dioxane. The other two wells had low-level detections of both PFAS (high = 4.62 ng/L PFOA) and 1,4 dioxane (high = 0.55 ug/L). We have not drawn any conclusions from this isolated data and will be compiling it with the rest of the bedrock investigation data to update the conceptual site model. EPA and CLG are developing a plan for completing the boreholes as monitoring wells.

2. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation, and is pursuing access to at least 2 more historic bedrock wells. CLG will compile geophysical survey information from these wells and submit recommendations for fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock.

3. Samples of storm water runoff and infiltration from the landfill cover, retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. Samples of landfill cover materials were also collected in November. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Preliminary results show high levels of PFAS in runoff from both the landfill cover and underdrain discharges. The landfill cover material and top soil also contained high levels of PFAS. These results are preliminary and have not been submitted or published. Additional wet weather sampling at these locations will be conducted in the spring.

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4. Preliminary results from the CLG's fall monitoring round show results consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents sampled and CLG is preparing a comprehensive annual data report for 2018 for submission.

5. Underwood Engineers, consultant to the City of Portsmouth, completed a study of the feasibility of extending a water supply line down Breakfast Hill Road in Greenland and reports that it would cost between \$18 - \$25 million to connect about 240 homes and five businesses. The study was paid for with a grant from the NHDES to the City of Portsmouth. The design would require the construction of a water tower to provide required pressure and would increase the demand on the City of Portsmouth's water system by about 35,000 gallons per day. Underwood Engineers presented the results of the feasibility study to the City of Portsmouth and the Town of Greenland.

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From: Hull, Richard  
Sent: Thursday, February 07, 2019 9:43 AM  
To: Olson, Bryan <Olson.Bryan@epa.gov>  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>; Dumville, Kelsey <Dumville.Kelsey@epa.gov>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>  
Subject: RE: Coakley Update -12/12/18

Hi Bryan. Having missed a few bi-weekly updates during the shutdown, the information below does include some significant progress since the last update of December 12. Let me know if you have any questions. FYI I am also providing this to Kelsey for an upcoming call between Deb and new NH congressional.

Updated February 6, 2019

1. Treatment systems were installed by the CLG in November 2018 at two water supply wells, 368 Breakfast Hill Road residence and Breakfast Hill Golf Club, that had exceeded the new AGQS for 1,4 dioxane. Two rounds of post-treatment samples have been collected and 1,4 dioxane was not detected. DES is requiring that the CLG expand the GMZ to incorporate these two properties.

2. CLG submitted results from packer testing of newly installed bedrock

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boreholes. Samples from isolated fractures were analyzed for PFAS, 1,4 dioxane and VOCs. PFAS and 1,4 dioxane were detected a few fractures from 2 of the 3 new boreholes. Along with the data, CLG submitted a proposal for completing each of the boreholes.

3. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation, and is pursuing access to at least 2 more historic bedrock well. CLG will compile geophysical survey information from these wells and submit recommendations for fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock.

4. Samples of storm water runoff and infiltration from the landfill cover, retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Samples have been analyzed and results will be provided once the data is reported by the lab and validated. Additional wet weather sampling at these locations will be conducted in the spring. Samples of landfill cover materials (vegetative cover, compost, liner) have also been collected and are being analyzed.

5. EPA issued a Work Authorization Form under the Interagency Agreement with the USGS for the refinement of a hydrogeologic model of groundwater flow in bedrock at and near the Coakley Landfill. The modeling effort is scheduled to take one year to complete and will incorporate all new bedrock information and data collected as part of the ongoing bedrock investigation.

6. Preliminary results from the CLG's fall monitoring round show results consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents sampled and CLG is preparing a comprehensive annual data report for 2018 for submission.

7. Underwood Engineers, consultant to the City of Portsmouth, completed a study of the feasibility of extending a water supply line down Breakfast Hill Road in Greenland and reports that it would cost between \$18 - \$25 million to connect about 240 homes and five business. The study was paid for with a grant from the NHDES to the City of Portsmouth. The design would require the construction of a water tower to provide required pressure and would increase the demand on the City of Portsmouth's water system by about 35,000 gallons per day. Underwood Engineers presented the results of the feasibility study to the City of Portsmouth and the Town of Greenland.

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updated.txt

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From: Hull, Richard

Sent: Wednesday, December 12, 2018 4:01 PM

To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>

Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>

Subject: RE: Coakley Update -12/12/18

Hi Bryan. Here is a bi-weekly update for Coakley. My apologies for not providing an update on November 29.

Updated December 12, 2018

1. Treatment systems have been installed by the CLG at the two wells, 368 Breakfast Hill Road residence and Breakfast Hill Golf Club, that had recently exceeded the new AGQS for 1,4 dioxane. The systems are operating and have been approved by DES. Post-treatment samples were collected and 1,4 dioxane was not detected. DES is requiring that the CLG expand the GMZ to incorporate these two properties.

2. CLG submitted results from packer testing of newly installed bedrock boreholes. Samples from isolated fractures were analyzed for PFAS, 1,4 dioxane and VOCs. PFAS and 1,4 dioxane were detected a few fractures from 2 of the 3 new boreholes. Along with the data, CLG submitted a proposal for completing each of the boreholes.

3. CLG has gained access to 6 historic bedrock boreholes for surveying and sampling. Well redevelopment of 4 of the wells began the week of Dec. 10 and borehole geophysics will be initiated the week of Dec. 17. CLG has also gained access to survey and sample an existing supply well located on a parcel adjacent to the landfill. CLG continues to pursue access at 3 additional historic bedrock boreholes.

4. Wet weather storm water runoff samples were collected from landfill cover retention basins and discharge culverts, underdrain discharge locations and landfill seep locations on October 27. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Samples are being analyzed and results will be provided once the data is reported by the lab. Additional wet weather sampling at these locations will be conducted in the spring. Samples of landfill cover materials (vegetative cover, compost, liner) have also been collected and are being analyzed.

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5. Representatives from USGS visited the site on October 24 to become more familiar with site features and to discuss the scope of work for developing a localized flow model. Based on the findings of this visit, the USGS revised its scope of work and a Work Authorization Form was issued under the Interagency Agreement with the USGS.

6. Preliminary results from the fall LTEMP monitoring round show results consistent with past results, including PFAS results from residential wells. Data validated results should be available by the end of December, at which time they will be provided to the residents sampled.

Let me know if you have any questions on this.

Skip

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From: Hull, Richard  
Sent: Thursday, November 15, 2018 12:42 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>;  
Subject: RE: Coakley Update -10/4/18

Bryan, detailed below is my bi-weekly update for Coakley.

Updated November 15, 2018

1. Treatment systems have been installed by the CLG at the two wells, 368 Breakfast Hill Road residence and Breakfast Hill Golf Club, that had recently exceeded the new AGQS for 1,4 dioxane. The systems are operating and have been approved by DES. DES is requiring that the CLG expand the GMZ to incorporate these two properties.

2. Samples from packer testing of newly installed bedrock boreholes have been analyzed for PFAS, 1,4 dioxane and VOCs, and preliminary data has been provided. Final data is anticipated to be submitted next week. The CLG continues to pursue

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access to 7 historic boreholes for surveying and sampling and has gained verbal agreement to access 3 of the wells.

3. Wet weather storm water runoff samples were collected from landfill cover retention basins and discharge culverts, underdrain discharge locations and landfill seep locations on October 27. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Samples are being analyzed and results will be provided once the data is reported by the lab. Additional sampling at these locations will be conducted in the spring.

4. Representatives from USGS visited the site on October 24 to become more familiar with site features and to discuss the scope of work for developing a localized flow model. Based on the findings of this visit, the USGS prepared a revised scope of work which has been reviewed by EPA an interagency agreement for the development of this flow model is being finalized. Development of this model is scheduled to take about 6-9 months.

Let me know if you have any questions on this.

Skip

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From: Hull, Richard  
Sent: Thursday, November 01, 2018 1:49 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>>  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>>; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>>  
Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley.

Updated November 1, 2018

1. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and

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VOCs has been completed and preliminary data (not validated) has been provided. Boreholes were sampled and analyzed for VOCs, PFAS and 1,4 dioxane. The CLG continues to pursue access to 7 historic boreholes for surveying and sampling. Some of these boreholes are located to the east and south of the landfill.

2. The CLG and NHDES collected samples from two wells (one residential at 368 Breakfast Hill Road, golf course clubhouse) that had previously had 1,4 dioxane levels above the now promulgated state standard of 0.32 ppb. The state directed the CLG to take these samples (DES collected split samples) after adoption of the new standard. The DES samples were above 0.32 ppb (0.38 ppb residential well, 0.61 ppb golf course clubhouse). October 5, DES sent the CLG a letter directing it to provide bottled water for the residential well owners and develop a plan for corrective action within 30 days. DES is preparing a similar letter for the golf course clubhouse well (results just received) for issuance today. The golf course clubhouse well is actually a regulated &#8220;transient non-community&#8221; system. The CLG sample results are undergoing data validation and have not yet been made available.

3. Mark Gearreald, attorney for the Town of Hampton, provided a statement from Tom Ballestero to the Commission at its meeting on October 10. A response was provided to Mark Gearreald and the commission prior to its meeting on October 24.

4. Wet weather storm water runoff samples were collected from landfill cover retention basins and discharge culverts, underdrain discharge locations and landfill seep locations on October 27. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material.

5. Representatives from USGS visited the site on October 24 to become more familiar with site features and to discuss the scope of work for developing a localized flow model. A revised scope of work has been submitted based on this site visit and EPA comments. Upon review and approval, EPA will enter in to an interagency agreement for the development of this flow model.

6. Bob Sullivan, attorney for the City of Portsmouth and former chair of the CLG board, resigned his position from the board. A replacement has not yet been named.

Let me know if you have any questions.

Skip

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updated.txt

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From: Hull, Richard  
Sent: Thursday, October 18, 2018 5:34 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville,  
Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>;  
Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley Landfill. Not much to update relative to ongoing investigation work, except that it is ongoing. There are a couple of things that came out of the leg. comm. meeting last week as well as some new information related to the DES enforcing its new 1,4 dioxane standard.

Updated October 18, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 14 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own). Summary of results:

- \* 7 of 14 were ND for PFAS
- \* PFOA detected in 7 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has been completed but results are not yet available. Boreholes were sampled and analyzed for VOCs, PFAS and 1,4 dioxane. The CLG continues to pursue access to 7 historic boreholes for surveying and sampling. Some of these boreholes are located to the east and south of the landfill.

3. The CLG and NHDES collected samples from two wells (one residential at 368 Breakfast Hill Road, golf course clubhouse) that had previously had 1,4 dioxane levels above the now promulgated state standard of 0.32 ppb. The state directed the CLG to take these samples (DES collected split samples) after adoption of the new standard. The DES sample was above 0.32 ppb (0.38 ppb) and so on October 5, DES sent the CLG a letter directing it to provide bottled water and develop a plan for corrective action within 30 days. The CLG results have not yet been made available.

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4. Mark Gearreald, attorney for the Town of Hampton, provided a statement from Tom Ballestero (attached) to the Commission at its meeting on October 10. In the two-page statement, Mr. Ballestero reiterates some of his prior assertions and interpretations related to flow and contaminant transport at the landfill and asks for a more urgent response at the Coakley Landfill;. Mr. Ballestero also asserts that none of his suggestions have been implemented and that errors in the conceptual model that he has pointed out have been largely ignored;. Worth noting is that Mr. Ballestero does state that radial flow continued up until the landfill was capped; and that landfill capping most likely affected groundwater flow at the landfill; which is something he has not acknowledged in the past. Jim Murphy committed to a response to this statement for the next commission meeting.

Let me know if you have any questions.

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From: Hull, Richard  
Sent: Thursday, October 04, 2018 11:28 AM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville,  
Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>;  
Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley Landfill. I've also include this information in an update to the Legislative Commission, along with responses to a couple of specific questions from the last meeting. The Commission is meeting again next week.

Let me know if you have any questions.

Skip

Updated October 4, 2018

1. Note this summary of residential sampling is amended from the Sept. 24 update: The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 14 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own). Summary of results:

- \* 7 of 14 were ND for PFAS
- \* PFOA detected in 7 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. A statement of these results was developed and distributed to Jim Murphy's Coakley contact group (you may have seen the NHPR piece.)

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. CLG submitted a draft work plan on September 10, and EPA conditionally approved the work plan on September 26. Investigation activities will include further sampling of stormwater and subsurface collection system discharges and the assessment of cap and retention pond construction and materials.

4. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has begun and will be completed in the next couple of weeks, with analytical results to follow (based on laboratory reporting). The CLG is also pursuing access to 7 historic boreholes for surveying and sampling, some of which are located to the east and south of the landfill.

updated.txt

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From: Hull, Richard  
Sent: Monday, September 24, 2018 11:53 AM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: Coakley Update - 9/24/18

Hi Bryan. Bi-weekly update for Coakley including results in from sampling of the 20 additional residential wells that were identified in response to the citizens petition.

Updated September 24, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 12 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own, 2 did not respond to schedule sampling). Summary of results:

- \* 6 of 12 were ND for PFAS
- \* PFOA detected in 6 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. The risk assessor's interpretation explained here has not been provided to the public or the press.



updated.txt

OSRR is coordinating with Jim and Kelsey to provide this information to the public and the media.

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. CLG submitted a draft work plan on September 10. EPA and NHDES are currently reviewing and developing a conditional approval for the work plan.

4. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs will begin on September 25.

5. EPA is working with USGS and NHDES to develop a scope of work for a site-specific model for groundwater flow in bedrock.

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From: Hull, Richard  
Sent: Thursday, September 06, 2018 4:47 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: RE: Coakley Update - 8/8/18

Hi Bryan. Bi-weekly update for Coakley, most notably the fish tissue info. I would stress that OEME is conducting a data verification review for the fish tissue data report and that we have not provided the risk interpretation included below to the public or press.

Updated September 6, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results from some of the initial wells sampled have been provided. PFAS were not detected in four of the first ten wells sampled. PFOA was detected in six wells, PFOS in one well, PFHxS in one well and PFBS in one well. All results were well below the HA of 70 ppt, and except for the PFBS result of 14 ppt, below 6 ppt.

2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook

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ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. The risk assessor's interpretation explained here has not been provided to the public or the press. OSRR is coordinating with Jim and Kelsey to provide this information to the public and the media.

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. EPA asked for a workplan to be submitted in 15 days.

4. EPA attended the legislative commission meeting on September 5 and presented some update information to the commission. Tara Somers of ATSDR also discussed the role of ATSDR and the development of its MLR for PFAS.

5. EPA is working with USGS and NHDES to develop a scope of work for a site-specific model for groundwater flow in bedrock.

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From: Hull, Richard  
Sent: Thursday, August 23, 2018 4:53 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: RE: Coakley Update - 8/8/18

Hi Bryan. Sorry I'm just getting to this now, but here is an update on the

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Coakely issues we provided on August 8.

Updated August 23, 2018

1. The NHDES MtBE bureau began sampling of additional residential wells in Greenland, North Hampton and Rye this week.

2. EPA and NHDES met with Kim McNamara on August 23, along with a consultant for the City of Portsmouth (b) (5)

Kim will present to Bob Sullivan for the CLG to consider.

3. Fish tissue samples are being processed and results are expected in a few weeks.

4. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. EPA asked for a workplan to be submitted in 15 days.

Sorry again for this being late. Let me know if you have any questions, although I am off tomorrow but back on Monday.

Skip

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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
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From: Hull, Richard  
Sent: Wednesday, August 08, 2018 1:19 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: RE: Coakley Update - 8/8/18

I just heard from the PRP's consultant that the results from the analysis of fish tissue samples will be provided by the end of August.

Richard W. Hull, Project Manager

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From: Cianciarulo, Robert  
Sent: Wednesday, August 08, 2018 12:39 PM  
To: Hull, Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: RE: Coakley Update - 8/8/18

Bryan &#8211; see below. If Skip gets any more on the fish in time for your meeting this afternoon, he can update it, otherwise we&#8217;ll do it in a subsequent update.

Our proposal is to have Skip do an update like this for you every two weeks so you have it for Alex and your HQ check-ins.

From: Hull, Richard  
Sent: Wednesday, August 08, 2018 12:34 PM  
To: Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>  
Subject: Coakley Update - 8/8/18

Here&#8217;s the revised update. I ran in to Bryan and he was looking for this for a meeting with Alex this afternoon. I tried to get more details on fish sample analysis and results, but haven&#8217;t heard back from PRPs who are checking with lab.

Updated August 8, 2018

An June 4, 2018, the Regional Administrator met with Jillian Lane of Greenland Safe Water Action, and other members of the community who live near the Coakley Landfill. At that meeting, Jillian presented the RA with a petition signed by 135 concerned citizens that requested action be taken to address issues related to PFAS contamination at the Coakley Landfill and the local community. On July 3, 2018, the RA responded to that petition with action items addressing the issues outlined in the petition. Below is an update of the actions being taken to address those, and other issues:

1. Issue: The petition outlined concerns related to residential wells that are impacted by PFAS contamination and asked for access to a safe water supply and expanded residential well sampling.

Status: To date, all residential wells sampled remain below the HA of 70 ppt for PFOA and PFOS. On August 6, EPA mailed letters to 20 residents in Greenland, North Hampton and Rye offering sampling of tap water and analysis for PFAS. These residents had previously requested sampling, including a number that requested sampling during the June 4 community meeting with Alex Dunn. Beginning a few days after the mailing, the NHDES MtBE bureau will begin contacting the residents to schedule sampling. Samples will be shipped to OEME for analysis of PFAS.

2. Issue: EPA committed to working with the USGS to better define the local hydrogeology and flow patterns to better characterize the potential for the flow of PFAS contamination to local residents.

Status: OSRTI has provided funding to the region for this task and OSRR has initiated an Interagency Agreement with USGS to develop a model to evaluate site-specific hydrogeologic flow conditions at and around Coakley Landfill. USGS submitted a draft work plan and budget estimate, and OSRR has provided comments. Depending on the USGS internal review process, the IA will be finalized and work will begin by the start of FY19.

3. Issue: The petition asked that EPA compel the CLG to install effective remediation to address PFAS contamination.

Status: EPA and NHDES met with the City of Portsmouth's health officer, Kim McNamara, to discuss voluntary measures that the City and/or CLG can undertake to alleviate the impacts to residents near Coakley Landfill. Kim had reached out to both EPA and NHDES looking for suggestions. Suggested measures include providing point-of-use water supply filtration systems, extending a municipal water supply line, expand residential well sampling, and maintenance and treatment of impacted surface water. Kim will convene a meeting in mid-August to discuss these issues in more detail.

4. Other Issues: Bedrock investigation continues with installation of three deep-bedrock wells and the completion of geophysical surveying the week of July 30. Geophysics data will be used to identify water-bearing fractures for sampling beginning in August. Existing bedrock wells have been inventoried and geophysics and sampling will also be performed on those wells determined to be viable.

5. Other Issues: Fish samples have been collected from Berrys Brook and have been processed and analyzed. EPA is awaiting analytical results which will be submitted following the laboratory data validation and review process.

6. Other Issues: CLG is developing a work plan for assessing impacts of the discharge of runoff from the surface of the landfill cap to surface water receptors to identify potential PFAS contributions that may exist beyond landfill leachate. This work plan will be submitted Sept.-Oct.

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From: Olson, Bryan  
Sent: Thursday, May 02, 2019 12:25 PM  
To: Hull, Richard  
Cc: Dumville, Kelsey; Cianciarulo, Robert; Taylor, Melissa  
Subject: RE: Coakley Update - 3/21/19

This is great. Thank you Skip. I do have one question. Is USGS doing any modelling work?

From: Hull, Richard  
Sent: Thursday, May 02, 2019 12:19 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov>;  
Cc: Dumville, Kelsey <Dumville.Kelsey@epa.gov>; Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>;  
Subject: RE: Coakley Update - 3/21/19

Hi Bryan. Bi-weekly (although I think it's been 3 weeks) update for Coakley.

Let me know if you have any questions.

Skip

Updated May 2, 2019

1. EPA worked with the OIG to respond to questions and document request regarding risk communication at Coakley. This was part of a larger audit that includes other sites from around the country.

2. CLG's contractor has initiated an investigation to identify additional groundwater and leachate discharge points that may be present in wetlands downstream of the landfill. CLG has confirmed locations of groundwater discharge in to surface water and has installed additional piezometers to isolate shallow groundwater for sampling. This is being done in conjunction with the sampling of surface runoff from the landfill cap to further delineate and distinction between contamination in groundwater and surface runoff that may be entering the wetland area.

3. As part of the CLG's ongoing investigation of the extent of PFAS contamination associated with the landfill cap material and stormwater runoff, its consultant is assessing landfill cap performance using EPA's Hydrologic Evaluation of Landfill Performance (HELP) model. Additional wet weather sampling of

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surface and underdrain discharge locations will be conducted in early May.

4. CLG submitted results from packer testing of three bedrock boreholes installed as part of the ongoing bedrock investigation. The boreholes were installed to the north, north-west, and due west of the landfill. The results for the well installed to the west of the landfill (about 1300 feet from the landfill and 3000 feet from Falls Way), was ND for PFAS and 1,4 dioxane. The other two wells had low-level detections of both PFAS (high = 4.62 ng/L PFOA) and 1,4 dioxane (high = 0.55 ug/L). We have not drawn any conclusions from this isolated data and will be compiling it with the rest of the bedrock investigation data to update the conceptual site model.

EPA and NHDES are working with CLG on a plan for retaining the open boreholes for future data collection and pump testing, prior to completing the boreholes as monitoring wells.

5. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation. CLG has also made recommendations of fracture intervals to be sampled using inflatable packer testing.

EPA and DES have reviewed the recommendations and will be providing comments. The sampling will likely be conducted in late May. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock. CLG continues to pursue access to at least 2 more historic bedrock wells, and is coordinating with EPA to issue an Access Orders to one of the property owners.

6. CLG will be conducting spring sampling, including sampling for PFAS at about 20 residential wells, in early May.

7. EPA and DES will be meeting with CLG and its contractors on May 15 for an update on the deep bedrock investigation which has now been ongoing for about one year. This meeting will provide an opportunity for updating the conceptual site model and for scoping tasks for the remainder of the bedrock investigation.

8. CLG submitted a draft 2018 sampling results report on March 12. Most results from the fall monitoring round are consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents that were sampled. In the report, CLG recommends a number of changes to the monitoring program, including reducing groundwater monitoring well and residential well sampling from semi-annually to annually. EPA is coordinating with NHDES to respond to this recommendation.

9. EPA issued a response to the CLG's fish tissue sampling results report on March 18. EPA's response outlined the focused risk assessment that was conducted by EPA based on the fish tissue results for PFAS. The response also outlined the data validation that was conducted by EPA. After review of the data and performance of the focused risk assessment, EPA concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's acceptable risk limit of HI =1, and that no further fish tissue sampling is required at this time.

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From: Hull, Richard  
Sent: Thursday, April 04, 2019 12:07 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville,  
Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Cianciarulo,  
Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor,  
Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>;  
Subject: RE: Coakley Update - 3/21/19

Hi Bryan,

Hi Bryan. Bi-weekly update for Coakley.

Let me know if you have any questions.

Skip

Updated April 4, 2019

1. CLG's contractor has initiated an investigation to identify additional groundwater and leachate discharge points that may be present in wetlands downstream of the landfill. This is being done in conjunction with the sampling of surface runoff from the landfill cap to further delineate and distinction between contamination in groundwater and surface runoff that may be entering the wetland area.

2. Samples of storm water runoff and infiltration from the landfill cover, retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. Samples of landfill cover materials were also collected in November. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Preliminary results show high levels of PFAS in runoff from both the landfill cover and underdrain discharges. The landfill cover material and top soil also contained high levels of PFAS. These results are preliminary and have not been submitted or published. Additional wet weather sampling at these locations will be conducted in late April/ early May. EPA and NHDES provided comments for modifications to the sampling and additional sampling that should be incorporated in to the spring sampling round.



3. CLG submitted results from packer testing of three bedrock boreholes installed as part of the ongoing bedrock investigation. The boreholes were installed to the north, north-west, and due west of the landfill. The results for the well installed to the west of the landfill (about 1300 feet from the landfill and 3000 feet from Falls Way), was ND for PFAS and 1,4 dioxane. The other two wells had low-level detections of both PFAS (high = 4.62 ng/L PFOA) and 1,4 dioxane (high = 0.55 ug/L). We have not drawn any conclusions from this isolated data and will be compiling it with the rest of the bedrock investigation data to update the conceptual site model.

EPA and NHDES are working with CLG on a plan for retaining the open boreholes for future data collection and pump testing, prior to completing the boreholes as monitoring wells.

4. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation, and is pursuing access to at least 2 more historic bedrock wells. CLG will submit a report that compiles the geophysical survey information from these wells and recommends fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock.

5. CLG submitted a draft 2018 sampling results report on March 12. Most results from the fall monitoring round are consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents that were sampled. In the report, CLG recommends a number of changes to the monitoring program, including reducing groundwater monitoring well and residential well sampling from semi-annually to annually. EPA is coordinating with NHDES to respond to this recommendation.

6. EPA issued a response to the CLG's fish tissue sampling results report on March 18. EPA's response outlined the focused risk assessment that was conducted by EPA based on the fish tissue results for PFAS. The response also outlined the data validation that was conducted by EPA. After review of the data and performance of the focused risk assessment, EPA concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's acceptable risk limit of HI =1, and that no further fish tissue sampling is required at this time.

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From: Hull, Richard

Sent: Thursday, March 21, 2019 10:36 AM

To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>>

Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>>; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>>

Subject: RE: Coakley Update - 3/21/19

Hi Bryan,

Coakley bi-weekly update. Not a lot of significance since two weeks ago, but let me know if you have any questions.

Skip

Updated March 21, 2019

1. EPA and NHDES met with met with CLG's project manager, Peter Britz, and consultants on February 27, to discuss the results from stormwater runoff sampling. Samples of storm water runoff and infiltration from the landfill cover, retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. Samples of landfill cover materials were also collected in November. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Preliminary results show high levels of PFAS in runoff from both the landfill cover and underdrain discharges. The landfill cover material and top soil also contained high levels of PFAS. These results are preliminary and have not been submitted or published. Additional wet weather sampling at these locations will be conducted in the spring. EPA and NHDES provided comments for modifications to the sampling and additional sampling that should be incorporated in to the spring sampling round.

2. CLG submitted results from packer testing of three bedrock boreholes installed as part of the ongoing bedrock investigation. The boreholes were installed to the north, north-west, and due west of the landfill. The results for the well installed to the west of the landfill (about 1300 feet from the landfill and 3000 feet from Falls Way), was ND for PFAS and 1,4 dioxane. The other two wells had low-level detections of both PFAS (high = 4.62 ng/L PFOA) and 1,4 dioxane (high = 0.55 ug/L). We have not drawn any conclusions from this isolated data and will be compiling it with the rest of the bedrock investigation data to update the conceptual site model. EPA and NHDES are working with CLG on a plan for retaining the open boreholes for future data collection and pump testing, prior to completing the boreholes as monitoring wells.

3. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation, and is pursuing access to at

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least 2 more historic bedrock wells. CLG will submit a report the week of March 25, that compiles the geophysical survey information from these wells and recommends fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock.

4. CLG submitted a draft 2018 sampling results report on March 12. Most results from the fall monitoring round are consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents that were sampled.

5. EPA issued a response to the CLG's fish tissue sampling results report on March 18. EPA's response outlined the focused risk assessment that was conducted by EPA based on the fish tissue results for PFAS. The response also outlined the data validation that was conducted by EPA. After review of the data and performance of the focused risk assessment, EPA concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's acceptable risk limit of HI =1, and that no further fish tissue sampling is required at this time.

6. An update to the community contact list will be provided next week and will include links to all recent reports and correspondence.

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From: Hull, Richard  
Sent: Thursday, March 07, 2019 11:48 AM  
To: Olson, Bryan <Olson.Bryan@epa.gov>  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>; Dumville, Kelsey <Dumville.Kelsey@epa.gov>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>  
Subject: RE: Coakley Update -12/12/18

Hi Bryan,

I'm back on the bi-weekly schedule for the updates for Coakley. A significant development is the results from the sampling of stormwater runoff, underdrain collection system discharge and material from the landfill cover (see below).

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Let me know if you have any questions.

Skip

Updated March 7, 2019

1. CLG submitted results from packer testing of three bedrock boreholes installed as part of the ongoing bedrock investigation. The boreholes were installed to the north, north-west, and due west of the landfill. The results for the well installed to the west of the landfill (about 1300 feet from the landfill and 3000 feet from Falls Way), was ND for PFAS and 1,4 dioxane. The other two wells had low-level detections of both PFAS (high = 4.62 ng/L PFOA) and 1,4 dioxane (high = 0.55 ug/L). We have not drawn any conclusions from this isolated data and will be compiling it with the rest of the bedrock investigation data to update the conceptual site model. EPA and CLG are developing a plan for completing the boreholes as monitoring wells.

2. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation, and is pursuing access to at least 2 more historic bedrock wells. CLG will compile geophysical survey information from these wells and submit recommendations for fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock.

3. Samples of storm water runoff and infiltration from the landfill cover, retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. Samples of landfill cover materials were also collected in November. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Preliminary results show high levels of PFAS in runoff from both the landfill cover and underdrain discharges. The landfill cover material and top soil also contained high levels of PFAS. These results are preliminary and have not been submitted or published. Additional wet weather sampling at these locations will be conducted in the spring.

4. Preliminary results from the CLG's fall monitoring round show results consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents sampled and CLG is preparing a comprehensive annual data report for 2018 for submission.

5. Underwood Engineers, consultant to the City of Portsmouth, completed a study of the feasibility of extending a water supply line down Breakfast Hill Road in Greenland and reports that it would cost between \$18 - \$25 million to connect about 240 homes and five business. The study was paid for with a grant from the NHDES to the City of Portsmouth. The design would require the construction of a water tower to provide required pressure and would increase the demand on the City of Portsmouth's water system by about 35,000 gallons per day. Underwood

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Engineers presented the results of the feasibility study to the City of Portsmouth and the Town of Greenland.

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From: Hull, Richard  
Sent: Thursday, February 07, 2019 9:43 AM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>;  
Subject: RE: Coakley Update -12/12/18

Hi Bryan. Having missed a few bi-weekly updates during the shutdown, the information below does include some significant progress since the last update of December 12. Let me know if you have any questions. FYI &#8211; I am also providing this to Kelsey for an upcoming call between Deb and new NH congressional.

Updated February 6, 2019

1. Treatment systems were installed by the CLG in November 2018 at two water supply wells, 368 Breakfast Hill Road residence and Breakfast Hill Golf Club, that had exceeded the new AGQS for 1,4 dioxane. Two rounds of post-treatment samples have been collected and 1,4 dioxane was not detected. DES is requiring that the CLG expand the GMZ to incorporate these two properties.

2. CLG submitted results from packer testing of newly installed bedrock boreholes. Samples from isolated fractures were analyzed for PFAS, 1,4 dioxane and VOCs. PFAS and 1,4 dioxane were detected a few fractures from 2 of the 3 new boreholes. Along with the data, CLG submitted a proposal for completing each of the boreholes.

3. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation, and is pursuing access to at least 2 more historic bedrock well. CLG will compile geophysical survey information from these wells and submit recommendations for fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock.

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4. Samples of storm water runoff and infiltration from the landfill cover, retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Samples have been analyzed and results will be provided once the data is reported by the lab and validated. Additional wet weather sampling at these locations will be conducted in the spring. Samples of landfill cover materials (vegetative cover, compost, liner) have also been collected and are being analyzed.

5. EPA issued a Work Authorization Form under the Interagency Agreement with the USGS for the refinement of a hydrogeologic model of groundwater flow in bedrock at and near the Coakley Landfill. The modeling effort is scheduled to take one year to complete and will incorporate all new bedrock information and data collected as part of the ongoing bedrock investigation.

6. Preliminary results from the CLG's fall monitoring round show results consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents sampled and CLG is preparing a comprehensive annual data report for 2018 for submission.

7. Underwood Engineers, consultant to the City of Portsmouth, completed a study of the feasibility of extending a water supply line down Breakfast Hill Road in Greenland and reports that it would cost between \$18 - \$25 million to connect about 240 homes and five business. The study was paid for with a grant from the NHDES to the City of Portsmouth. The design would require the construction of a water tower to provide required pressure and would increase the demand on the City of Portsmouth's water system by about 35,000 gallons per day. Underwood Engineers presented the results of the feasibility study to the City of Portsmouth and the Town of Greenland.

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From: Hull, Richard  
Sent: Wednesday, December 12, 2018 4:01 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov>&gt;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>&gt;; Dumville, Kelsey <Dumville.Kelsey@epa.gov>&gt;; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>&gt;; Taylor, Melissa <Taylor.Melissag@epa.gov>&gt;

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Subject: RE: Coakley Update -12/12/18

Hi Bryan. Here is a bi-weekly update for Coakley. My apologies for not providing an update on November 29.

Updated December 12, 2018

1. Treatment systems have been installed by the CLG at the two wells, 368 Breakfast Hill Road residence and Breakfast Hill Golf Club, that had recently exceeded the new AGQS for 1,4 dioxane. The systems are operating and have been approved by DES. Post-treatment samples were collected and 1,4 dioxane was not detected. DES is requiring that the CLG expand the GMZ to incorporate these two properties.

2. CLG submitted results from packer testing of newly installed bedrock boreholes. Samples from isolated fractures were analyzed for PFAS, 1,4 dioxane and VOCs. PFAS and 1,4 dioxane were detected a few fractures from 2 of the 3 new boreholes. Along with the data, CLG submitted a proposal for completing each of the boreholes.

3. CLG has gained access to 6 historic bedrock boreholes for surveying and sampling. Well redevelopment of 4 of the wells began the week of Dec. 10 and borehole geophysics will be initiated the week of Dec. 17. CLG has also gained access to survey and sample an existing supply well located on a parcel adjacent to the landfill. CLG continues to pursue access at 3 additional historic bedrock boreholes.

4. Wet weather storm water runoff samples were collected from landfill cover retention basins and discharge culverts, underdrain discharge locations and landfill seep locations on October 27. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Samples are being analyzed and results will be provided once the data is reported by the lab. Additional wet weather sampling at these locations will be conducted in the spring. Samples of landfill cover materials (vegetative cover, compost, liner) have also been collected and are being analyzed.

5. Representatives from USGS visited the site on October 24 to become more familiar with site features and to discuss the scope of work for developing a localized flow model. Based on the findings of this visit, the USGS revised its scope of work and a Work Authorization Form was issued under the Interagency Agreement with the USGS.

6. Preliminary results from the fall LTEMP monitoring round show results consistent with past results, including PFAS results from residential wells. Data validated results should be available by the end of December, at which time they will be provided to the residents sampled.

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Let me know if you have any questions on this.

Skip

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From: Hull, Richard  
Sent: Thursday, November 15, 2018 12:42 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville,  
Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Cianciarulo,  
Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor,  
Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>;  
Subject: RE: Coakley Update -10/4/18

Bryan, detailed below is my bi-weekly update for Coakley.

Updated November 15, 2018

1. Treatment systems have been installed by the CLG at the two wells, 368 Breakfast Hill Road residence and Breakfast Hill Golf Club, that had recently exceeded the new AGQS for 1,4 dioxane. The systems are operating and have been approved by DES. DES is requiring that the CLG expand the GMZ to incorporate these two properties.

2. Samples from packer testing of newly installed bedrock boreholes have been analyzed for PFAS, 1,4 dioxane and VOCs, and preliminary data has been provided. Final data is anticipated to be submitted next week. The CLG continues to pursue access to 7 historic boreholes for surveying and sampling and has gained verbal agreement to access 3 of the wells.

3. Wet weather storm water runoff samples were collected from landfill cover retention basins and discharge culverts, underdrain discharge locations and landfill seep locations on October 27. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Samples are being analyzed and results will be provided once the data is reported by the lab. Additional sampling at these locations will be conducted in the spring.

4. Representatives from USGS visited the site on October 24 to become more



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familiar with site features and to discuss the scope of work for developing a localized flow model. Based on the findings of this visit, the USGS prepared a revised scope of work which has been reviewed by EPA an interagency agreement for the development of this flow model is being finalized. Development of this model is scheduled to take about 6-9 months.

Let me know if you have any questions on this.

Skip

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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Hull, Richard  
Sent: Thursday, November 01, 2018 1:49 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov>&gt;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>&gt;; Dumville, Kelsey <Dumville.Kelsey@epa.gov>&gt;; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>&gt;; Taylor, Melissa <Taylor.Melissag@epa.gov>&gt;  
Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley.

Updated November 1, 2018

1. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has been completed and preliminary data (not validated) has been provided. Boreholes were sampled and analyzed for VOCs, PFAS and 1,4 dioxane. The CLG continues to pursue access to 7 historic boreholes for surveying and sampling. Some of these boreholes are located to the east and south of the landfill.

2. The CLG and NHDES collected samples from two wells (one residential at 368 Breakfast Hill Road, golf course clubhouse) that had previously had 1,4 dioxane levels above the now promulgated state standard of 0.32 ppb. The state directed the CLG to take these samples (DES collected split samples) after adoption of the new standard. The DES samples were above 0.32 ppb (0.38 ppb residential well, 0.61 ppb golf course clubhouse). October 5, DES sent the CLG a letter directing it to provide bottled water for the residential well owners and develop a plan for

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corrective action within 30 days. DES is preparing a similar letter for the golf course clubhouse well (results just received) for issuance today. The golf course clubhouse well is actually a regulated "transient non-community" system. The CLG sample results are undergoing data validation and have not yet been made available.

3. Mark Gearreald, attorney for the Town of Hampton, provided a statement from Tom Ballestero to the Commission at its meeting on October 10. A response was provided to Mark Gearreald and the commission prior to its meeting on October 24.

4. Wet weather storm water runoff samples were collected from landfill cover retention basins and discharge culverts, underdrain discharge locations and landfill seep locations on October 27. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material.

5. Representatives from USGS visited the site on October 24 to become more familiar with site features and to discuss the scope of work for developing a localized flow model. A revised scope of work has been submitted based on this site visit and EPA comments. Upon review and approval, EPA will enter in to an interagency agreement for the development of this flow model.

6. Bob Sullivan, attorney for the City of Portsmouth and former chair of the CLG board, resigned his position from the board. A replacement has not yet been named.

Let me know if you have any questions.

Skip

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From: Hull, Richard  
Sent: Thursday, October 18, 2018 5:34 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville,  
Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>;  
Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley Landfill. Not much to update relative to ongoing investigation work, except that it is ongoing. There are a couple of things that came out of the leg. comm. meeting last week as well as some new information related to the DES enforcing its new 1,4 dioxane standard.

Updated October 18, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 14 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own). Summary of results:

- \* 7 of 14 were ND for PFAS
- \* PFOA detected in 7 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has been completed but results are not yet available. Boreholes were sampled and analyzed for VOCs, PFAS and 1,4 dioxane. The CLG continues to pursue access to 7 historic boreholes for surveying and sampling. Some of these boreholes are located to the east and south of the landfill.

3. The CLG and NHDES collected samples from two wells (one residential at 368 Breakfast Hill Road, golf course clubhouse) that had previously had 1,4 dioxane levels above the now promulgated state standard of 0.32 ppb. The state directed the CLG to take these samples (DES collected split samples) after adoption of the new standard. The DES sample was above 0.32 ppb (0.38 ppb) and so on October 5, DES sent the CLG a letter directing it to provide bottled water and develop a plan for corrective action within 30 days. The CLG results have not yet been made available.

4. Mark Gearreald, attorney for the Town of Hampton, provided a statement from Tom Ballestero (attached) to the Commission at its meeting on October 10. In the two-page statement, Mr. Ballestero reiterates some of his prior assertions and interpretations related to flow and contaminant transport at the landfill and asks for a more urgent response at the Coakley Landfill. Mr. Ballestero also asserts that none of his suggestions have been implemented and that errors in the conceptual model that he has pointed out have been largely ignored. Worth noting is that Mr. Ballestero does state that radial flow continued up until the landfill was capped and that landfill capping most likely affected groundwater flow at the landfill; which is something he has not acknowledged in the past. Jim Murphy committed to a response to this statement for the next commission meeting.

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Let me know if you have any questions.

Skip

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From: Hull, Richard  
Sent: Thursday, October 04, 2018 11:28 AM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville,  
Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>;  
Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley Landfill. I've also include this information in an update to the Legislative Commission, along with responses to a couple of specific questions from the last meeting. The Commission is meeting again next week.

Let me know if you have any questions.

Skip

Updated October 4, 2018

1. Note this summary of residential sampling is amended from the Sept. 24 update: The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 14 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own). Summary of results:

- \* 7 of 14 were ND for PFAS
- \* PFOA detected in 7 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

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2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. A statement of these results was developed and distributed to Jim Murphy's Coakley contact group (you may have seen the NHPR piece.)

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. CLG submitted a draft work plan on September 10, and EPA conditionally approved the work plan on September 26. Investigation activities will include further sampling of stormwater and subsurface collection system discharges and the assessment of cap and retention pond construction and materials.

4. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has begun and will be completed in the next couple of weeks, with analytical results to follow (based on laboratory reporting). The CLG is also pursuing access to 7 historic boreholes for surveying and sampling, some of which are located to the east and south of the landfill.

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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Hull, Richard  
Sent: Monday, September 24, 2018 11:53 AM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa

updated.txt

<Taylor.Melissag@epa.govmailto:Taylor.Melissag@epa.gov>; Olson, Bryan  
<Olson.Bryan@epa.govmailto:Olson.Bryan@epa.gov>;  
Subject: Coakley Update - 9/24/18

Hi Bryan. Bi-weekly update for Coakley including results in from sampling of the 20 additional residential wells that were identified in response to the citizens petition.

Updated September 24, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 12 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own, 2 did not respond to schedule sampling). Summary of results:

- \* 6 of 12 were ND for PFAS
- \* PFOA detected in 6 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. The risk assessor's interpretation explained here has not been provided to the public or the press. OSRR is coordinating with Jim and Kelsey to provide this information to the public and the media.

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. CLG submitted a draft work plan on September 10. EPA and NHDES are currently reviewing and developing a conditional approval for the work plan.

4. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and

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VOCs will begin on September 25.

5. EPA is working with USGS and NHDES to develop a scope of work for a site-specific model for groundwater flow in bedrock.

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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Hull, Richard  
Sent: Thursday, September 06, 2018 4:47 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: RE: Coakley Update - 8/8/18

Hi Bryan. Bi-weekly update for Coakley, most notably the fish tissue info. I would stress that OEME is conducting a data verification review for the fish tissue data report and that we have not provided the risk interpretation included below to the public or press.

Updated September 6, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results from some of the initial wells sampled have been provided. PFAS were not detected in four of the first ten wells sampled. PFOA was detected in six wells, PFOS in one well, PFHxS in one well and PFBS in one well. All results were well below the HA of 70 ppt, and except for the PFBS result of 14 ppt, below 6 ppt.

2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation

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review for this fish tissue data and report. The risk assessor's interpretation explained here has not been provided to the public or the press. OSRR is coordinating with Jim and Kelsey to provide this information to the public and the media.

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. EPA asked for a workplan to be submitted in 15 days.

4. EPA attended the legislative commission meeting on September 5 and presented some update information to the commission. Tara Somers of ATSDR also discussed the role of ATSDR and the development of its MLR for PFAS.

5. EPA is working with USGS and NHDES to develop a scope of work for a site-specific model for groundwater flow in bedrock.

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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
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From: Hull, Richard  
Sent: Thursday, August 23, 2018 4:53 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>>  
Subject: RE: Coakley Update - 8/8/18

Hi Bryan. Sorry I'm just getting to this now, but here is an update on the Coakley issues we provided on August 8.

Updated August 23, 2018

1. The NHDES MtBE bureau began sampling of additional residential wells in Greenland, North Hampton and Rye this week.

2. EPA and NHDES met with Kim McNamara on August 23, along with a consultant for the City of Portsmouth (b) (5)

. Kim will present to Bob Sullivan for the CLG to consider.

3. Fish tissue samples are being processed and results are expected in a few



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weeks.

4. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. EPA asked for a workplan to be submitted in 15 days.

Sorry again for this being late. Let me know if you have any questions, although I am off tomorrow but back on Monday.

Skip

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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
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From: Hull, Richard  
Sent: Wednesday, August 08, 2018 1:19 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: RE: Coakley Update - 8/8/18

I just heard from the PRP's consultant that the results from the analysis of fish tissue samples will be provided by the end of August.

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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Cianciarulo, Robert  
Sent: Wednesday, August 08, 2018 12:39 PM  
To: Hull, Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>

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Subject: RE: Coakley Update - 8/8/18

Bryan &#8211; see below. If Skip gets any more on the fish in time for your meeting this afternoon, he can update it, otherwise we&#8217;ll do it in a subsequent update.

Our proposal is to have Skip do an update like this for you every two weeks so you have it for Alex and your HQ check-ins.

From: Hull, Richard

Sent: Wednesday, August 08, 2018 12:34 PM

To: Taylor, Melissa <Taylor.Melissag@epa.gov>;  
Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>;

Subject: Coakley Update - 8/8/18

Here&#8217;s the revised update. I ran in to Bryan and he was looking for this for a meeting with Alex this afternoon. I tried to get more details on fish sample analysis and results, but haven&#8217;t heard back from PRPs who are checking with lab.

Updated August 8, 2018

An June 4, 2018, the Regional Administrator met with Jillian Lane of Greenland Safe Water Action, and other members of the community who live near the Coakley Landfill.

At that meeting, Jillian presented the RA with a petition signed by 135 concerned citizens that requested action be taken to address issues related to PFAS contamination at the Coakley Landfill and the local community. On July 3, 2018, the RA responded to that petition with action items addressing the issues outlined in the petition. Below is an update of the actions being taken to address those, and other issues:

1. Issue: The petition outlined concerns related to residential wells that are impacted by PFAS contamination and asked for access to a safe water supply and expanded residential well sampling.

Status: To date, all residential wells sampled remain below the HA of 70 ppt for PFOA and PFOS. On August 6, EPA mailed letters to 20 residents in Greenland, North Hampton and Rye offering sampling of tap water and analysis for PFAS. These residents had previously requested sampling, including a number that requested sampling during the June 4 community meeting with Alex Dunn. Beginning a few days after the mailing, the NHDES MtBE bureau will begin contacting the residents to schedule sampling. Samples will be shipped to OEME for analysis of PFAS.

2. Issue: EPA committed to working with the USGS to better define the local hydrogeology and flow patterns to better characterize the potential for the flow of PFAS contamination to local residents.

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Status: OSRTI has provided funding to the region for this task and OSRR has initiated an Interagency Agreement with USGS to develop a model to evaluate site-specific hydrogeologic flow conditions at and around Coakley Landfill. USGS submitted a draft work plan and budget estimate, and OSRR has provided comments. Depending on the USGS internal review process, the IA will be finalized and work will begin by the start of FY19.

3. Issue: The petition asked that EPA compel the CLG to install effective remediation to address PFAS contamination.

Status: EPA and NHDES met with the City of Portsmouth's health officer, Kim McNamara, to discuss voluntary measures that the City and/or CLG can undertake to alleviate the impacts to residents near Coakley Landfill. Kim had reached out to both EPA and NHDES looking for suggestions. Suggested measures include providing point-of-use water supply filtration systems, extending a municipal water supply line, expand residential well sampling, and maintenance and treatment of impacted surface water. Kim will convene a meeting in mid-August to discuss these issues in more detail.

4. Other Issues: Bedrock investigation continues with installation of three deep-bedrock wells and the completion of geophysical surveying the week of July 30. Geophysics data will be used to identify water-bearing fractures for sampling beginning in August. Existing bedrock wells have been inventoried and geophysics and sampling will also be performed on those wells determined to be viable.

5. Other Issues: Fish samples have been collected from Berrys Brook and have been processed and analyzed. EPA is awaiting analytical results which will be submitted following the laboratory data validation and review process.

6. Other Issues: CLG is developing a work plan for assessing impacts of the discharge of runoff from the surface of the landfill cap to surface water receptors to identify potential PFAS contributions that may exist beyond landfill leachate. This work plan will be submitted Sept.-Oct.

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(617) 918-1882

From: Olson, Bryan  
Sent: Wednesday, April 24, 2019 2:27 PM  
To: Conway, Timothy; Dumville, Kelsey  
Subject: RE: Housatonic River Mediation Update – Confidential Mediation

updated.txt

Communication

Yes. Sounds good.

From: Conway, Timothy  
Sent: Wednesday, April 24, 2019 2:24 PM  
To: Dumville, Kelsey <Dumville.Kelsey@epa.gov>; Olson, Bryan  
<Olson.Bryan@epa.gov>;  
Subject: RE: Housatonic River Mediation Update – Confidential Mediation  
Communication

Kelsey, could you do Exit 57 park and ride on 95? We could meet there at 6:30 and get to Exit 10A by 8. From there, google has 1:19 to Lee so 8 am will work. Otherwise it looks like there's a park and ride off of 495 south on route 213 in Methuen. I can look into that if you'd prefer.

Bryan – Exit 10A – regular spot?

From: Dumville, Kelsey  
Sent: Wednesday, April 24, 2019 2:17 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov><mailto:Olson.Bryan@epa.gov>;  
Cc: Conway, Timothy <Conway.Tim@epa.gov><mailto:Conway.Tim@epa.gov>;  
Subject: Re: Housatonic River Mediation Update – Confidential Mediation  
Communication

That sounds good.

Tim - I am happy to meet you on 495 or 95 if you know a good spot.

Thanks!

Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003<tel:617-918-1003>  
Cell: 857-998-0226<tel:857-998-0226>

On Apr 24, 2019, at 2:09 PM, Olson, Bryan  
<Olson.Bryan@epa.gov><mailto:Olson.Bryan@epa.gov>; wrote:

Let's meet Exit 10? at the park and ride at 8 am. Will that be enough time?

From: Dumville, Kelsey  
Sent: Wednesday, April 24, 2019 1:42 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov><mailto:Olson.Bryan@epa.gov>; Conway,  
Timothy <Conway.Tim@epa.gov><mailto:Conway.Tim@epa.gov>;  
Subject: RE: Housatonic River Mediation Update – Confidential Mediation  
Communication

updated.txt

Hi Tim and Bryan -

I mentioned to Tim earlier this week that I have a GOV and will be planning to head to the Berkshires from home. I am happy to meet you somewhere on the way out and carpool if that makes sense. I probably need to leave the meeting by 12:30-1 to head home.

Thanks,  
Kelsey

Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003  
Cell: 857-998-0226

From: Olson, Bryan  
Sent: Tuesday, April 23, 2019 12:29 PM  
To: John Bickerman <jbickerman@bickerman.com>  
Cc: Conway, Timothy <Conway.Tim@epa.gov>;  
Tagliaferro, Dean <Tagliaferro.Dean@epa.gov>;  
Dumville, Kelsey <Dumville.Kelsey@epa.gov>;  
Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>  
Subject: Re: Housatonic River Mediation Update – Confidential Mediation Communication

Thanks John. We can aim to get out there at about 945 to give you ample time to work with them.

Bryan

Sent from my iPhone

On Apr 23, 2019, at 10:38 AM, John Bickerman  
<jbickerman@bickerman.com> wrote:

All,

I received the Towns' demands and GE's submission Friday, but quickly determined that neither would be acceptable to transmit without revisions or I'd be risking the mediation terminating. I had a lengthy call with GE yesterday. The GE team understood my concerns and have agreed to make revisions. (I sent my suggestions to them this morning.)

I expressed my concern regarding the Towns' response to Matt Pawa and he suggested arranging a call with the RoR Committee prior to Friday. Without revealing the Town's confidential statement I can share with you that their expectations were

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completely beyond what GE would consider reasonable. I was concerned that GE would walk away from the process if they received the Town's demand, as presently drafted.

Unfortunately, because of their interpretation of the the open meetings law, they couldn't talk to me before Thursday morning and the only time they suggested was when I'd be boarding my flight to Boston. After weighing my choices, I decided it was better to meet with them on Friday morning, in person, because I thought it would be more effective. The plan now is for me to meet them at 9:15 am on Friday morning. I told them that I would need 30 minutes but it would depend on how much discussion there would be. Consequently, I suggest that you come between 9:30 and 9:45.

If you'd like to talk, I'm mostly free for a call tomorrow and Thursday when I'm not in transit and I will be in Boston by noon tomorrow before I drive to Lenox in the afternoon. However, I don't have much more to add.

John

Bickerman Dispute Resolution, PLLC  
1455 Pennsylvania Ave., NW, Suite 400  
Washington, DC 20004

200 Park Ave., Suite 1700  
New York, NY 10166

202-289-3330

202-997-0049 (cell)

From: Dumville, Kelsey

Sent: Monday, April 08, 2019 4:02 PM

To: Olson, Bryan

Cc: Taylor, Melissa; Hull, Richard; Senn, John; Cianciarulo, Robert

Subject: Re: Coakley Landfill Site Update

We just had a quick call and Skip is going to work on a response to get back to Kim tomorrow.

Thanks,  
Kelsey

Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003<tel:617-918-1003>  
Cell: 857-998-0226<tel:857-998-0226>

On Apr 8, 2019, at 3:49 PM, Olson, Bryan

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<Olson.Bryan@epa.govmailto:Olson.Bryan@epa.gov> wrote:

We should take a shot at responding in writing, as we want to make sure we and she both get it right. Skip, do you want to take a shot at it first? Thank you, Bryan

From: Dumville, Kelsey  
Sent: Monday, April 08, 2019 3:46 PM  
To: Taylor, Melissa <Taylor.Melissag@epa.govmailto:Taylor.Melissag@epa.gov>; Hull, Richard <Hull.Richard@epa.govmailto:Hull.Richard@epa.gov>; Olson, Bryan <Olson.Bryan@epa.govmailto:Olson.Bryan@epa.gov>; Senn, John <Senn.John@epa.govmailto:Senn.John@epa.gov>  
Subject: Fwd: Coakley Landfill Site Update

Hi all -

Here is the response from Kimberly. Let me know how you would like to proceed, I can find a time to set up a call if that makes sense.

Thanks,  
Kelsey

Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003<tel:617-918-1003>  
Cell: 857-998-0226<tel:857-998-0226>

Begin forwarded message:

From: Kimberley Haas <khaas179@gmail.commailto:khaas179@gmail.com>  
Date: April 8, 2019 at 3:27:10 PM EDT  
To: "Dumville, Kelsey"  
<Dumville.Kelsey@epa.govmailto:Dumville.Kelsey@epa.gov>  
Subject: Re: Coakley Landfill Site Update

Hi Kelsey,

Sorry it took so long to get back, I was in a trial.

My questions have to do with what the first bullet point talks about, particularly, "Preliminary results show detections of PFAS in runoff from both the landfill cover and underdrain discharges. PFAS was also detected from samples of the landfill cover materials. Additional wet weather sampling at these locations will be conducted in late April/ early May."

I will be available this afternoon and tomorrow as well.

updated.txt

Thanks so much!

Kim

On Mon, Apr 8, 2019 at 12:24 PM Dumville, Kelsey  
<Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>> wrote:  
Hi Kim,

I am looping in John in our press office here. We are working with our team on a response, do you have any particular questions you could share with us before finding a time to connect later today?

Thanks,  
Kelsey

Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003  
Cell: 857-998-0226

From: Kimberley Haas <khaas179@gmail.com<mailto:khaas179@gmail.com>>  
Sent: Friday, April 05, 2019 3:20 PM  
To: Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>  
Subject: Re: Coakley Landfill Site Update

Hi Kelsey,

Do you have someone who might be able to speak about PFAS in the landfill runoff Monday? I think our readers would be interested in finding out more.

Kim

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Good morning,

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epa.gov/Coakley<<https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0101107>>

Best,

Kelsey

April 2019 Site Update:



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Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003  
Cell: 857-998-0226

From: Olson, Bryan  
Sent: Monday, April 08, 2019 3:49 PM  
To: Dumville, Kelsey; Taylor, Melissa; Hull, Richard; Senn, John  
Cc: Cianciarulo, Robert  
Subject: RE: Coakley Landfill Site Update

We should take a shot at responding in writing, as we want to make sure we and she both get it right. Skip, do you want to take a shot at it first? Thank you, Bryan

From: Dumville, Kelsey  
Sent: Monday, April 08, 2019 3:46 PM  
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Subject: Fwd: Coakley Landfill Site Update

Hi all -

Here is the response from Kimberly. Let me know how you would like to proceed, I can find a time to set up a call if that makes sense.

Thanks,  
Kelsey

updated.txt

Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003<tel:617-918-1003>  
Cell: 857-998-0226<tel:857-998-0226>

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From: Kimberley Haas <khaas179@gmail.com<mailto:khaas179@gmail.com>>  
Date: April 8, 2019 at 3:27:10 PM EDT  
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Thanks so much!

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Hi Kim,

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Thanks,  
Kelsey

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Public Affairs Office  
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Cell: 857-998-0226

From: Kimberley Haas <khaas179@gmail.com<mailto:khaas179@gmail.com>>

updated.txt

Sent: Friday, April 05, 2019 3:20 PM

To: Dumville, Kelsey <Dumville.Kelsey@epa.gov><mailto:Dumville.Kelsey@epa.gov>>

Subject: Re: Coakley Landfill Site Update

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Do you have someone who might be able to speak about PFAS in the landfill runoff Monday? I think our readers would be interested in finding out more.

Kim

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Best,

Kelsey

April 2019 Site Update:

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Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003

updated.txt

Cell: 857-998-0226

From: Olson, Bryan  
Sent: Monday, April 08, 2019 3:02 PM  
To: Senn, John; Taylor, Melissa; Dumville, Kelsey; Hull, Richard  
Subject: RE: Coakley Landfill Site Update

My understanding is that the PFAS in runoff could end up being a real hot button issue. We would need to coordinate with the state and PRPs to understand where they think that issue is heading. Answering questions may not be as simple as it seems. Bryan

From: Senn, John  
Sent: Monday, April 08, 2019 2:48 PM  
To: Taylor, Melissa <Taylor.Melissag@epa.gov>; Dumville, Kelsey <Dumville.Kelsey@epa.gov>; Hull, Richard <Hull.Richard@epa.gov>  
Cc: Olson, Bryan <Olson.Bryan@epa.gov>  
Subject: RE: Coakley Landfill Site Update

Thanks, Melissa—Kelsey asked the reporter for some more specific questions so we could prepare a bit but haven't heard anything back from her yet.

Adding Bryan to this chain as an FYI.

From: Taylor, Melissa  
Sent: Monday, April 8, 2019 12:40 PM  
To: Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Hull, Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>  
Cc: Senn, John <Senn.John@epa.gov<mailto:Senn.John@epa.gov>>  
Subject: RE: Coakley Landfill Site Update

I'm tied up in meetings at 1 and 3 and have a critical thing I need to get done between the two meetings but could talk after that.

From: Dumville, Kelsey  
Sent: Monday, April 08, 2019 9:51 AM  
To: Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Hull, Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>  
Cc: Senn, John <Senn.John@epa.gov<mailto:Senn.John@epa.gov>>  
Subject: Fwd: Coakley Landfill Site Update

Hi Melissa and Skip,

This came in from the union leader after I sent the Coakley update out on Monday. I will talk with John and see how we want to follow up.

Thanks,

updated.txt

Kelsey

Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003<tel:617-918-1003>  
Cell: 857-998-0226<tel:857-998-0226>

Begin forwarded message:

From: Kimberley Haas <khaas179@gmail.com<mailto:khaas179@gmail.com>>  
Date: April 5, 2019 at 3:20:17 PM EDT  
To: "Dumville, Kelsey"  
<Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>  
Subject: Re: Coakley Landfill Site Update

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April 2019 Site Update:

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Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003  
Cell: 857-998-0226

From: Olson, Bryan  
Sent: Thursday, April 04, 2019 1:16 PM  
To: Hull, Richard  
Cc: Murphy, Jim; Dumville, Kelsey; Cianciarulo, Robert; Taylor, Melissa  
Subject: RE: Coakley Update - 3/21/19

OK. Thank you Skip.

From: Hull, Richard  
Sent: Thursday, April 04, 2019 12:47 PM  
To: Olson, Bryan <[Olson.Bryan@epa.gov](mailto:Olson.Bryan@epa.gov)>;  
Cc: Murphy, Jim <[Murphy.Jim@epa.gov](mailto:Murphy.Jim@epa.gov)>; Dumville, Kelsey  
<[Dumville.Kelsey@epa.gov](mailto:Dumville.Kelsey@epa.gov)>; Cianciarulo, Robert  
<[Cianciarulo.Bob@epa.gov](mailto:Cianciarulo.Bob@epa.gov)>; Taylor, Melissa <[Taylor.Melissag@epa.gov](mailto:Taylor.Melissag@epa.gov)>;  
Subject: RE: Coakley Update - 3/21/19

Bryan,

I referred (b) (5)

Prior to the initiation of this investigation and the fall sampling, we directed CLG to submit a report of the compiled results and findings within 60 days of the spring sampling.

Skip

Richard W. Hull, Project Manager  
USEPA New England, Region 1  
5 Post Office Square, Suite 100  
OSRR07-1  
Boston, MA 02109-3912  
[Hull.Richard@epa.gov](mailto:Hull.Richard@epa.gov)<<mailto:Hull.Richard@epa.gov>>  
(617) 918-1882

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From: Olson, Bryan  
Sent: Thursday, April 04, 2019 12:29 PM  
To: Hull, Richard <Hull.Richard@epa.gov>  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>; Dumville, Kelsey <Dumville.Kelsey@epa.gov>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>  
Subject: RE: Coakley Update - 3/21/19

Thank you for this Skip. (b) (5)

Bryan

From: Hull, Richard  
Sent: Thursday, April 04, 2019 12:07 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov>  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>; Dumville, Kelsey <Dumville.Kelsey@epa.gov>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>  
Subject: RE: Coakley Update - 3/21/19

Hi Bryan,

Hi Bryan. Bi-weekly update for Coakley.

Let me know if you have any questions.

Skip

Updated April 4, 2019

1. CLG's contractor has initiated an investigation to identify additional groundwater and leachate discharge points that may be present in wetlands downstream of the landfill. This is being done in conjunction with the sampling of surface runoff from the landfill cap to further delineate and distinction between contamination in groundwater and surface runoff that may be entering the wetland area.

2. Samples of storm water runoff and infiltration from the landfill cover, retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. Samples of landfill cover materials were also collected in November. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Preliminary results show high levels of PFAS in runoff from both the landfill cover and underdrain discharges. The landfill cover material and top soil also contained

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high levels of PFAS. These results are preliminary and have not been submitted or published. Additional wet weather sampling at these locations will be conducted in late April/ early May. EPA and NHDES provided comments for modifications to the sampling and additional sampling that should be incorporated in to the spring sampling round.

3. CLG submitted results from packer testing of three bedrock boreholes installed as part of the ongoing bedrock investigation. The boreholes were installed to the north, north-west, and due west of the landfill. The results for the well installed to the west of the landfill (about 1300 feet from the landfill and 3000 feet from Falls Way), was ND for PFAS and 1,4 dioxane. The other two wells had low-level detections of both PFAS (high = 4.62 ng/L PFOA) and 1,4 dioxane (high = 0.55 ug/L). We have not drawn any conclusions from this isolated data and will be compiling it with the rest of the bedrock investigation data to update the conceptual site model.

EPA and NHDES are working with CLG on a plan for retaining the open boreholes for future data collection and pump testing, prior to completing the boreholes as monitoring wells.

4. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation, and is pursuing access to at least 2 more historic bedrock wells. CLG will submit a report that compiles the geophysical survey information from these wells and recommends fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock.

5. CLG submitted a draft 2018 sampling results report on March 12. Most results from the fall monitoring round are consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents that were sampled. In the report, CLG recommends a number of changes to the monitoring program, including reducing groundwater monitoring well and residential well sampling from semi-annually to annually. EPA is coordinating with NHDES to respond to this recommendation.

6. EPA issued a response to the CLG's fish tissue sampling results report on March 18. EPA's response outlined the focused risk assessment that was conducted by EPA based on the fish tissue results for PFAS. The response also outlined the data validation that was conducted by EPA. After review of the data and performance of the focused risk assessment, EPA concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's acceptable risk limit of HI =1, and that no further fish tissue sampling is required at this time.

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updated.txt

OSRR07-1

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(617) 918-1882

From: Hull, Richard

Sent: Thursday, March 21, 2019 10:36 AM

To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>

Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville,

Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Cianciarulo,

Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor,

Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>

Subject: RE: Coakley Update - 3/21/19

Hi Bryan,

Coakley bi-weekly update. Not a lot of significance since two weeks ago, but let me know if you have any questions.

Skip

Updated March 21, 2019

1. EPA and NHDES met with met with CLG's project manager, Peter Britz, and consultants on February 27, to discuss the results from stormwater runoff sampling. Samples of storm water runoff and infiltration from the landfill cover, retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. Samples of landfill cover materials were also collected in November. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Preliminary results show high levels of PFAS in runoff from both the landfill cover and underdrain discharges. The landfill cover material and top soil also contained high levels of PFAS. These results are preliminary and have not been submitted or published. Additional wet weather sampling at these locations will be conducted in the spring. EPA and NHDES provided comments for modifications to the sampling and additional sampling that should be incorporated in to the spring sampling round.

2. CLG submitted results from packer testing of three bedrock boreholes installed as part of the ongoing bedrock investigation. The boreholes were installed to the north, north-west, and due west of the landfill. The results for the well installed to the west of the landfill (about 1300 feet from the landfill and 3000 feet from Falls Way), was ND for PFAS and 1,4 dioxane. The other two wells had low-level detections of both PFAS (high = 4.62 ng/L PFOA) and 1,4 dioxane (high = 0.55 ug/L). We have not drawn any conclusions from this isolated data and will be compiling it with the rest of the bedrock investigation data to update the conceptual site model.

EPA and NHDES are working with CLG on a plan for retaining the open boreholes for

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future data collection and pump testing, prior to completing the boreholes as monitoring wells.

3. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation, and is pursuing access to at least 2 more historic bedrock wells. CLG will submit a report the week of March 25, that compiles the geophysical survey information from these wells and recommends fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock.

4. CLG submitted a draft 2018 sampling results report on March 12. Most results from the fall monitoring round are consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents that were sampled.

5. EPA issued a response to the CLG's fish tissue sampling results report on March 18. EPA's response outlined the focused risk assessment that was conducted by EPA based on the fish tissue results for PFAS. The response also outlined the data validation that was conducted by EPA. After review of the data and performance of the focused risk assessment, EPA concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's acceptable risk limit of HI =1, and that no further fish tissue sampling is required at this time.

6. An update to the community contact list will be provided next week and will include links to all recent reports and correspondence.

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From: Hull, Richard  
Sent: Thursday, March 07, 2019 11:48 AM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>  
Subject: RE: Coakley Update -12/12/18

Hi Bryan,

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I'm back on the bi-weekly schedule for the updates for Coakley. A significant development is the results from the sampling of stormwater runoff, underdrain collection system discharge and material from the landfill cover (see below).

Let me know if you have any questions.

Skip

Updated March 7, 2019

1. CLG submitted results from packer testing of three bedrock boreholes installed as part of the ongoing bedrock investigation. The boreholes were installed to the north, north-west, and due west of the landfill. The results for the well installed to the west of the landfill (about 1300 feet from the landfill and 3000 feet from Falls Way), was ND for PFAS and 1,4 dioxane. The other two wells had low-level detections of both PFAS (high = 4.62 ng/L PFOA) and 1,4 dioxane (high = 0.55 ug/L). We have not drawn any conclusions from this isolated data and will be compiling it with the rest of the bedrock investigation data to update the conceptual site model.

EPA and CLG are developing a plan for completing the boreholes as monitoring wells.

2. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation, and is pursuing access to at least 2 more historic bedrock wells. CLG will compile geophysical survey information from these wells and submit recommendations for fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock.

3. Samples of storm water runoff and infiltration from the landfill cover, retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. Samples of landfill cover materials were also collected in November. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Preliminary results show high levels of PFAS in runoff from both the landfill cover and underdrain discharges. The landfill cover material and top soil also contained high levels of PFAS. These results are preliminary and have not been submitted or published. Additional wet weather sampling at these locations will be conducted in the spring.

4. Preliminary results from the CLG's fall monitoring round show results consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents sampled and CLG is preparing a comprehensive annual data report for 2018 for submission.

5. Underwood Engineers, consultant to the City of Portsmouth, completed a study of the feasibility of extending a water supply line down Breakfast Hill Road in

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Greenland and reports that it would cost between \$18 - \$25 million to connect about 240 homes and five business. The study was paid for with a grant from the NHDES to the City of Portsmouth. The design would require the construction of a water tower to provide required pressure and would increase the demand on the City of Portsmouth's water system by about 35,000 gallons per day. Underwood Engineers presented the results of the feasibility study to the City of Portsmouth and the Town of Greenland.

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From: Hull, Richard  
Sent: Thursday, February 07, 2019 9:43 AM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>;  
Subject: RE: Coakley Update -12/12/18

Hi Bryan. Having missed a few bi-weekly updates during the shutdown, the information below does include some significant progress since the last update of December 12. Let me know if you have any questions. FYI &#8211; I am also providing this to Kelsey for an upcoming call between Deb and new NH congressional.

Updated February 6, 2019

1. Treatment systems were installed by the CLG in November 2018 at two water supply wells, 368 Breakfast Hill Road residence and Breakfast Hill Golf Club, that had exceeded the new AGQS for 1,4 dioxane. Two rounds of post-treatment samples have been collected and 1,4 dioxane was not detected. DES is requiring that the CLG expand the GMZ to incorporate these two properties.

2. CLG submitted results from packer testing of newly installed bedrock boreholes. Samples from isolated fractures were analyzed for PFAS, 1,4 dioxane and VOCs. PFAS and 1,4 dioxane were detected a few fractures from 2 of the 3 new boreholes. Along with the data, CLG submitted a proposal for completing each of the boreholes.

3. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation, and is pursuing access to at

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least 2 more historic bedrock well. CLG will compile geophysical survey information from these wells and submit recommendations for fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock.

4. Samples of storm water runoff and infiltration from the landfill cover, retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Samples have been analyzed and results will be provided once the data is reported by the lab and validated. Additional wet weather sampling at these locations will be conducted in the spring. Samples of landfill cover materials (vegetative cover, compost, liner) have also been collected and are being analyzed.

5. EPA issued a Work Authorization Form under the Interagency Agreement with the USGS for the refinement of a hydrogeologic model of groundwater flow in bedrock at and near the Coakley Landfill. The modeling effort is scheduled to take one year to complete and will incorporate all new bedrock information and data collected as part of the ongoing bedrock investigation.

6. Preliminary results from the CLG's fall monitoring round show results consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents sampled and CLG is preparing a comprehensive annual data report for 2018 for submission.

7. Underwood Engineers, consultant to the City of Portsmouth, completed a study of the feasibility of extending a water supply line down Breakfast Hill Road in Greenland and reports that it would cost between \$18 - \$25 million to connect about 240 homes and five business. The study was paid for with a grant from the NHDES to the City of Portsmouth. The design would require the construction of a water tower to provide required pressure and would increase the demand on the City of Portsmouth's water system by about 35,000 gallons per day. Underwood Engineers presented the results of the feasibility study to the City of Portsmouth and the Town of Greenland.

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(617) 918-1882

From: Hull, Richard  
Sent: Wednesday, December 12, 2018 4:01 PM



updated.txt

To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>>  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>>; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>>  
Subject: RE: Coakley Update -12/12/18

Hi Bryan. Here is a bi-weekly update for Coakley. My apologies for not providing an update on November 29.

Updated December 12, 2018

1. Treatment systems have been installed by the CLG at the two wells, 368 Breakfast Hill Road residence and Breakfast Hill Golf Club, that had recently exceeded the new AGQS for 1,4 dioxane. The systems are operating and have been approved by DES. Post-treatment samples were collected and 1,4 dioxane was not detected. DES is requiring that the CLG expand the GMZ to incorporate these two properties.
2. CLG submitted results from packer testing of newly installed bedrock boreholes. Samples from isolated fractures were analyzed for PFAS, 1,4 dioxane and VOCs. PFAS and 1,4 dioxane were detected a few fractures from 2 of the 3 new boreholes. Along with the data, CLG submitted a proposal for completing each of the boreholes.
3. CLG has gained access to 6 historic bedrock boreholes for surveying and sampling. Well redevelopment of 4 of the wells began the week of Dec. 10 and borehole geophysics will be initiated the week of Dec. 17. CLG has also gained access to survey and sample an existing supply well located on a parcel adjacent to the landfill. CLG continues to pursue access at 3 additional historic bedrock boreholes.
4. Wet weather storm water runoff samples were collected from landfill cover retention basins and discharge culverts, underdrain discharge locations and landfill seep locations on October 27. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Samples are being analyzed and results will be provided once the data is reported by the lab. Additional wet weather sampling at these locations will be conducted in the spring. Samples of landfill cover materials (vegetative cover, compost, liner) have also been collected and are being analyzed.
5. Representatives from USGS visited the site on October 24 to become more familiar with site features and to discuss the scope of work for developing a localized flow model. Based on the findings of this visit, the USGS revised its scope of work and a Work Authorization Form was issued under the Interagency Agreement with the USGS.

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6. Preliminary results from the fall LTEMP monitoring round show results consistent with past results, including PFAS results from residential wells. Data validated results should be available by the end of December, at which time they will be provided to the residents sampled.

Let me know if you have any questions on this.

Skip

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From: Hull, Richard  
Sent: Thursday, November 15, 2018 12:42 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov>&gt;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>&gt;; Dumville, Kelsey <Dumville.Kelsey@epa.gov>&gt;; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>&gt;; Taylor, Melissa <Taylor.Melissag@epa.gov>&gt;  
Subject: RE: Coakley Update -10/4/18

Bryan, detailed below is my bi-weekly update for Coakley.

Updated November 15, 2018

1. Treatment systems have been installed by the CLG at the two wells, 368 Breakfast Hill Road residence and Breakfast Hill Golf Club, that had recently exceeded the new AGQS for 1,4 dioxane. The systems are operating and have been approved by DES. DES is requiring that the CLG expand the GMZ to incorporate these two properties.

2. Samples from packer testing of newly installed bedrock boreholes have been analyzed for PFAS, 1,4 dioxane and VOCs, and preliminary data has been provided. Final data is anticipated to be submitted next week. The CLG continues to pursue access to 7 historic boreholes for surveying and sampling and has gained verbal agreement to access 3 of the wells.

3. Wet weather storm water runoff samples were collected from landfill cover retention basins and discharge culverts, underdrain discharge locations and landfill seep locations on October 27. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate

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the extent of PFAS contamination associated with landfill cover material. Samples are being analyzed and results will be provided once the data is reported by the lab. Additional sampling at these locations will be conducted in the spring.

4. Representatives from USGS visited the site on October 24 to become more familiar with site features and to discuss the scope of work for developing a localized flow model. Based on the findings of this visit, the USGS prepared a revised scope of work which has been reviewed by EPA an interagency agreement for the development of this flow model is being finalized. Development of this model is scheduled to take about 6-9 months.

Let me know if you have any questions on this.

Skip

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From: Hull, Richard  
Sent: Thursday, November 01, 2018 1:49 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>>  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>>; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>>  
Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley.

Updated November 1, 2018

1. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has been completed and preliminary data (not validated) has been provided. Boreholes were sampled and analyzed for VOCs, PFAS and 1,4 dioxane. The CLG continues to pursue access to 7 historic boreholes for surveying and sampling. Some of these boreholes are located to the east and south of the landfill.

2. The CLG and NHDES collected samples from two wells (one residential at 368 Breakfast Hill Road, golf course clubhouse) that had previously had 1,4 dioxane

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levels above the now promulgated state standard of 0.32 ppb. The state directed the CLG to take these samples (DES collected split samples) after adoption of the new standard. The DES samples were above 0.32 ppb (0.38 ppb residential well, 0.61 ppb golf course clubhouse). October 5, DES sent the CLG a letter directing it to provide bottled water for the residential well owners and develop a plan for corrective action within 30 days. DES is preparing a similar letter for the golf course clubhouse well (results just received) for issuance today. The golf course clubhouse well is actually a regulated &#8220;transient non-community&#8221; system. The CLG sample results are undergoing data validation and have not yet been made available.

3. Mark Gearreald, attorney for the Town of Hampton, provided a statement from Tom Ballestero to the Commission at its meeting on October 10. A response was provided to Mark Gearreald and the commission prior to its meeting on October 24.

4. Wet weather storm water runoff samples were collected from landfill cover retention basins and discharge culverts, underdrain discharge locations and landfill seep locations on October 27. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material.

5. Representatives from USGS visited the site on October 24 to become more familiar with site features and to discuss the scope of work for developing a localized flow model. A revised scope of work has been submitted based on this site visit and EPA comments. Upon review and approval, EPA will enter in to an interagency agreement for the development of this flow model.

6. Bob Sullivan, attorney for the City of Portsmouth and former chair of the CLG board, resigned his position from the board. A replacement has not yet been named.

Let me know if you have any questions.

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From: Hull, Richard  
Sent: Thursday, October 18, 2018 5:34 PM  
To: Cianciarulo, Robert  
&lt;Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>&gt;; Taylor, Melissa

updated.txt

<Taylor.Melissag@epa.govmailto:Taylor.Melissag@epa.gov>; Olson, Bryan  
<Olson.Bryan@epa.govmailto:Olson.Bryan@epa.gov>;  
Cc: Murphy, Jim <Murphy.Jim@epa.govmailto:Murphy.Jim@epa.gov>; Dumville,  
Kelsey <Dumville.Kelsey@epa.govmailto:Dumville.Kelsey@epa.gov>;  
Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley Landfill. Not much to update relative to ongoing investigation work, except that it is ongoing. There are a couple of things that came out of the leg. comm. meeting last week as well as some new information related to the DES enforcing its new 1,4 dioxane standard.

Updated October 18, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 14 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own). Summary of results:

- \* 7 of 14 were ND for PFAS
- \* PFOA detected in 7 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has been completed but results are not yet available. Boreholes were sampled and analyzed for VOCs, PFAS and 1,4 dioxane. The CLG continues to pursue access to 7 historic boreholes for surveying and sampling. Some of these boreholes are located to the east and south of the landfill.

3. The CLG and NHDES collected samples from two wells (one residential at 368 Breakfast Hill Road, golf course clubhouse) that had previously had 1,4 dioxane levels above the now promulgated state standard of 0.32 ppb. The state directed the CLG to take these samples (DES collected split samples) after adoption of the new standard. The DES sample was above 0.32 ppb (0.38 ppb) and so on October 5, DES sent the CLG a letter directing it to provide bottled water and develop a plan for corrective action within 30 days. The CLG results have not yet been made available.

4. Mark Gearreald, attorney for the Town of Hampton, provided a statement from Tom Ballestero (attached) to the Commission at its meeting on October 10. In the two-page statement, Mr. Ballestero reiterates some of his prior assertions and interpretations related to flow and contaminant transport at the landfill and asks for a more urgent response at the Coakley Landfill;. Mr. Ballestero also asserts that none of his suggestions have been implemented and that errors in the conceptual model that he has pointed out have been largely

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ignored. Worth noting is that Mr. Ballesterro does state that radial flow continued up until the landfill was capped; and that landfill capping most likely affected groundwater flow at the landfill; which is something he has not acknowledged in the past. Jim Murphy committed to a response to this statement for the next commission meeting.

Let me know if you have any questions.

Skip

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From: Hull, Richard  
Sent: Thursday, October 04, 2018 11:28 AM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov>; Taylor, Melissa  
<Taylor.Melissag@epa.gov>; Olson, Bryan  
<Olson.Bryan@epa.gov>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>; Dumville,  
Kelsey <Dumville.Kelsey@epa.gov>;  
Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley Landfill. I've also include this information in an update to the Legislative Commission, along with responses to a couple of specific questions from the last meeting. The Commission is meeting again next week.

Let me know if you have any questions.

Skip

Updated October 4, 2018

1. Note this summary of residential sampling is amended from the Sept. 24 update: The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 14 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own). Summary of results:

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- \* 7 of 14 were ND for PFAS
- \* PFOA detected in 7 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. A statement of these results was developed and distributed to Jim Murphy's Coakley contact group (you may have seen the NHPR piece.)

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. CLG submitted a draft work plan on September 10, and EPA conditionally approved the work plan on September 26. Investigation activities will include further sampling of stormwater and subsurface collection system discharges and the assessment of cap and retention pond construction and materials.

4. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has begun and will be completed in the next couple of weeks, with analytical results to follow (based on laboratory reporting). The CLG is also pursuing access to 7 historic boreholes for surveying and sampling, some of which are located to the east and south of the landfill.

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From: Hull, Richard

Sent: Monday, September 24, 2018 11:53 AM

To: Cianciarulo, Robert

<Cianciarulo.Bob@epa.govmailto:Cianciarulo.Bob@epa.gov>; Taylor, Melissa

<Taylor.Melissag@epa.govmailto:Taylor.Melissag@epa.gov>; Olson, Bryan

<Olson.Bryan@epa.govmailto:Olson.Bryan@epa.gov>

Subject: Coakley Update - 9/24/18

Hi Bryan. Bi-weekly update for Coakley including results in from sampling of the 20 additional residential wells that were identified in response to the citizens petition.

Updated September 24, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 12 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own, 2 did not respond to schedule sampling). Summary of results:

- \* 6 of 12 were ND for PFAS
- \* PFOA detected in 6 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. The risk assessor's interpretation explained here has not been provided to the public or the press. OSRR is coordinating with Jim and Kelsey to provide this information to the public and the media.

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for



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additional sampling and investigation of cap construction to be performed. CLG submitted a draft work plan on September 10. EPA and NHDES are currently reviewing and developing a conditional approval for the work plan.

4. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs will begin on September 25.

5. EPA is working with USGS and NHDES to develop a scope of work for a site-specific model for groundwater flow in bedrock.

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From: Hull, Richard  
Sent: Thursday, September 06, 2018 4:47 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>>  
Subject: RE: Coakley Update - 8/8/18

Hi Bryan. Bi-weekly update for Coakley, most notably the fish tissue info. I would stress that OEME is conducting a data verification review for the fish tissue data report and that we have not provided the risk interpretation included below to the public or press.

Updated September 6, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results from some of the initial wells sampled have been provided. PFAS were not detected in four of the first ten wells sampled. PFOA was detected in six wells, PFOS in one well, PFHxS in one well and PFBS in one well. All results were well below the HA of 70 ppt, and except for the PFBS result of 14 ppt, below 6 ppt.

2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved

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calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. The risk assessor's interpretation explained here has not been provided to the public or the press. OSRR is coordinating with Jim and Kelsey to provide this information to the public and the media.

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. EPA asked for a workplan to be submitted in 15 days.

4. EPA attended the legislative commission meeting on September 5 and presented some update information to the commission. Tara Somers of ATSDR also discussed the role of ATSDR and the development of its MLR for PFAS.

5. EPA is working with USGS and NHDES to develop a scope of work for a site-specific model for groundwater flow in bedrock.

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From: Hull, Richard  
Sent: Thursday, August 23, 2018 4:53 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>>  
Subject: RE: Coakley Update - 8/8/18

Hi Bryan. Sorry I'm just getting to this now, but here is an update on the Coakley issues we provided on August 8.

Updated August 23, 2018

1. The NHDES MtBE bureau began sampling of additional residential wells in Greenland, North Hampton and Rye this week.
2. EPA and NHDES met with Kim McNamara on August 23, along with a consultant for

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the City of Portsmouth (b) (5)

. Kim will present to Bob Sullivan for the CLG to consider.

3. Fish tissue samples are being processed and results are expected in a few weeks.

4. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. EPA asked for a workplan to be submitted in 15 days.

Sorry again for this being late. Let me know if you have any questions, although I am off tomorrow but back on Monday.

Skip

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From: Hull, Richard  
Sent: Wednesday, August 08, 2018 1:19 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>>  
Subject: RE: Coakley Update - 8/8/18

I just heard from the PRP's consultant that the results from the analysis of fish tissue samples will be provided by the end of August.

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From: Cianciarulo, Robert  
Sent: Wednesday, August 08, 2018 12:39 PM  
To: Hull, Richard <Hull.Richard@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>; Olson, Bryan <Olson.Bryan@epa.gov>  
Subject: RE: Coakley Update - 8/8/18

Bryan &#8211; see below. If Skip gets any more on the fish in time for your meeting this afternoon, he can update it, otherwise we&#8217;ll do it in a subsequent update.

Our proposal is to have Skip do an update like this for you every two weeks so you have it for Alex and your HQ check-ins.

From: Hull, Richard  
Sent: Wednesday, August 08, 2018 12:34 PM  
To: Taylor, Melissa <Taylor.Melissag@epa.gov>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>  
Subject: Coakley Update - 8/8/18

Here&#8217;s the revised update. I ran in to Bryan and he was looking for this for a meeting with Alex this afternoon. I tried to get more details on fish sample analysis and results, but haven&#8217;t heard back from PRPs who are checking with lab.

Updated August 8, 2018

An June 4, 2018, the Regional Administrator met with Jillian Lane of Greenland Safe Water Action, and other members of the community who live near the Coakley Landfill.

At that meeting, Jillian presented the RA with a petition signed by 135 concerned citizens that requested action be taken to address issues related to PFAS contamination at the Coakley Landfill and the local community. On July 3, 2018, the RA responded to that petition with action items addressing the issues outlined in the petition. Below is an update of the actions being taken to address those, and other issues:

1. Issue: The petition outlined concerns related to residential wells that are impacted by PFAS contamination and asked for access to a safe water supply and expanded residential well sampling.

Status: To date, all residential wells sampled remain below the HA of 70 ppt for PFOA and PFOS. On August 6, EPA mailed letters to 20 residents in Greenland, North Hampton and Rye offering sampling of tap water and analysis for PFAS. These residents had previously requested sampling, including a number that requested sampling during the June 4 community meeting with Alex Dunn. Beginning a few days after the mailing, the NHDES MtBE bureau will begin contacting the residents to

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schedule sampling. Samples will be shipped to OEME for analysis of PFAS.

2. Issue: EPA committed to working with the USGS to better define the local hydrogeology and flow patterns to better characterize the potential for the flow of PFAS contamination to local residents.

Status: OSRTI has provided funding to the region for this task and OSRR has initiated an Interagency Agreement with USGS to develop a model to evaluate site-specific hydrogeologic flow conditions at and around Coakley Landfill. USGS submitted a draft work plan and budget estimate, and OSRR has provided comments. Depending on the USGS internal review process, the IA will be finalized and work will begin by the start of FY19.

3. Issue: The petition asked that EPA compel the CLG to install effective remediation to address PFAS contamination.

Status: EPA and NHDES met with the City of Portsmouth's health officer, Kim McNamara, to discuss voluntary measures that the City and/or CLG can undertake to alleviate the impacts to residents near Coakley Landfill. Kim had reached out to both EPA and NHDES looking for suggestions. Suggested measures include providing point-of-use water supply filtration systems, extending a municipal water supply line, expand residential well sampling, and maintenance and treatment of impacted surface water. Kim will convene a meeting in mid-August to discuss these issues in more detail.

4. Other Issues: Bedrock investigation continues with installation of three deep-bedrock wells and the completion of geophysical surveying the week of July 30. Geophysics data will be used to identify water-bearing fractures for sampling beginning in August. Existing bedrock wells have been inventoried and geophysics and sampling will also be performed on those wells determined to be viable.

5. Other Issues: Fish samples have been collected from Berrys Brook and have been processed and analyzed. EPA is awaiting analytical results which will be submitted following the laboratory data validation and review process.

6. Other Issues: CLG is developing a work plan for assessing impacts of the discharge of runoff from the surface of the landfill cap to surface water receptors to identify potential PFAS contributions that may exist beyond landfill leachate. This work plan will be submitted Sept.-Oct.

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From: Olson, Bryan  
Sent: Thursday, April 04, 2019 12:29 PM  
To: Hull, Richard  
Cc: Murphy, Jim; Dumville, Kelsey; Cianciarulo, Robert; Taylor, Melissa  
Subject: RE: Coakley Update - 3/21/19

Thank you for this Skip. (b) (5)

. Bryan

From: Hull, Richard  
Sent: Thursday, April 04, 2019 12:07 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>; Dumville, Kelsey  
<Dumville.Kelsey@epa.gov>; Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>;  
Subject: RE: Coakley Update - 3/21/19

Hi Bryan,

Hi Bryan. Bi-weekly update for Coakley.

Let me know if you have any questions.

Skip

Updated April 4, 2019

1. CLG's contractor has initiated an investigation to identify additional groundwater and leachate discharge points that may be present in wetlands downstream of the landfill. This is being done in conjunction with the sampling of surface runoff from the landfill cap to further delineate and distinction between contamination in groundwater and surface runoff that may be entering the wetland area.

2. Samples of storm water runoff and infiltration from the landfill cover, retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. Samples of landfill cover materials were also collected in November. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Preliminary results show high levels of PFAS in runoff from both the landfill cover and underdrain discharges. The landfill cover material and top soil also contained high levels of PFAS. These results are preliminary and have not been submitted or published. Additional wet weather sampling at these locations will be conducted in late April/ early May. EPA and NHDES provided comments for modifications to the sampling and additional sampling that should be incorporated in to the spring

sampling round.

3. CLG submitted results from packer testing of three bedrock boreholes installed as part of the ongoing bedrock investigation. The boreholes were installed to the north, north-west, and due west of the landfill. The results for the well installed to the west of the landfill (about 1300 feet from the landfill and 3000 feet from Falls Way), was ND for PFAS and 1,4 dioxane. The other two wells had low-level detections of both PFAS (high = 4.62 ng/L PFOA) and 1,4 dioxane (high = 0.55 ug/L). We have not drawn any conclusions from this isolated data and will be compiling it with the rest of the bedrock investigation data to update the conceptual site model.

EPA and NHDES are working with CLG on a plan for retaining the open boreholes for future data collection and pump testing, prior to completing the boreholes as monitoring wells.

4. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation, and is pursuing access to at least 2 more historic bedrock wells. CLG will submit a report that compiles the geophysical survey information from these wells and recommends fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock.

5. CLG submitted a draft 2018 sampling results report on March 12. Most results from the fall monitoring round are consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents that were sampled. In the report, CLG recommends a number of changes to the monitoring program, including reducing groundwater monitoring well and residential well sampling from semi-annually to annually. EPA is coordinating with NHDES to respond to this recommendation.

6. EPA issued a response to the CLG's fish tissue sampling results report on March 18. EPA's response outlined the focused risk assessment that was conducted by EPA based on the fish tissue results for PFAS. The response also outlined the data validation that was conducted by EPA. After review of the data and performance of the focused risk assessment, EPA concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's acceptable risk limit of HI =1, and that no further fish tissue sampling is required at this time.

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From: Hull, Richard  
Sent: Thursday, March 21, 2019 10:36 AM  
To: Olson, Bryan <Olson.Bryan@epa.gov>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>; Dumville, Kelsey <Dumville.Kelsey@epa.gov>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>;  
Subject: RE: Coakley Update - 3/21/19

Hi Bryan,

Coakley bi-weekly update. Not a lot of significance since two weeks ago, but let me know if you have any questions.

Skip

Updated March 21, 2019

1. EPA and NHDES met with met with CLG's project manager, Peter Britz, and consultants on February 27, to discuss the results from stormwater runoff sampling. Samples of storm water runoff and infiltration from the landfill cover, retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. Samples of landfill cover materials were also collected in November. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Preliminary results show high levels of PFAS in runoff from both the landfill cover and underdrain discharges. The landfill cover material and top soil also contained high levels of PFAS. These results are preliminary and have not been submitted or published. Additional wet weather sampling at these locations will be conducted in the spring. EPA and NHDES provided comments for modifications to the sampling and additional sampling that should be incorporated in to the spring sampling round.

2. CLG submitted results from packer testing of three bedrock boreholes installed as part of the ongoing bedrock investigation. The boreholes were installed to the north, north-west, and due west of the landfill. The results for the well installed to the west of the landfill (about 1300 feet from the landfill and 3000 feet from Falls Way), was ND for PFAS and 1,4 dioxane. The other two wells had low-level detections of both PFAS (high = 4.62 ng/L PFOA) and 1,4 dioxane (high = 0.55 ug/L). We have not drawn any conclusions from this isolated data and will be compiling it with the rest of the bedrock investigation data to update the conceptual site model. EPA and NHDES are working with CLG on a plan for retaining the open boreholes for future data collection and pump testing, prior to completing the boreholes as monitoring wells.

3. CLG has now gained access, redeveloped and surveyed 7 historic bedrock



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boreholes as part of the ongoing bedrock investigation, and is pursuing access to at least 2 more historic bedrock wells. CLG will submit a report the week of March 25, that compiles the geophysical survey information from these wells and recommends fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock.

4. CLG submitted a draft 2018 sampling results report on March 12. Most results from the fall monitoring round are consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents that were sampled.

5. EPA issued a response to the CLG's fish tissue sampling results report on March 18. EPA's response outlined the focused risk assessment that was conducted by EPA based on the fish tissue results for PFAS. The response also outlined the data validation that was conducted by EPA. After review of the data and performance of the focused risk assessment, EPA concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's acceptable risk limit of HI =1, and that no further fish tissue sampling is required at this time.

6. An update to the community contact list will be provided next week and will include links to all recent reports and correspondence.

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From: Hull, Richard  
Sent: Thursday, March 07, 2019 11:48 AM  
To: Olson, Bryan <Olson.Bryan@epa.gov>  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>; Dumville, Kelsey <Dumville.Kelsey@epa.gov>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>  
Subject: RE: Coakley Update -12/12/18

Hi Bryan,

I'm back on the bi-weekly schedule for the updates for Coakley. A significant development is the results from the sampling of stormwater runoff, underdrain collection system discharge and material from the landfill cover (see below).

Let me know if you have any questions.

Skip

Updated March 7, 2019

1. CLG submitted results from packer testing of three bedrock boreholes installed as part of the ongoing bedrock investigation. The boreholes were installed to the north, north-west, and due west of the landfill. The results for the well installed to the west of the landfill (about 1300 feet from the landfill and 3000 feet from Falls Way), was ND for PFAS and 1,4 dioxane. The other two wells had low-level detections of both PFAS (high = 4.62 ng/L PFOA) and 1,4 dioxane (high = 0.55 ug/L). We have not drawn any conclusions from this isolated data and will be compiling it with the rest of the bedrock investigation data to update the conceptual site model. EPA and CLG are developing a plan for completing the boreholes as monitoring wells.

2. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation, and is pursuing access to at least 2 more historic bedrock wells. CLG will compile geophysical survey information from these wells and submit recommendations for fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site conceptual model for groundwater flow in bedrock.

3. Samples of storm water runoff and infiltration from the landfill cover, retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. Samples of landfill cover materials were also collected in November. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Preliminary results show high levels of PFAS in runoff from both the landfill cover and underdrain discharges. The landfill cover material and top soil also contained high levels of PFAS. These results are preliminary and have not been submitted or published. Additional wet weather sampling at these locations will be conducted in the spring.

4. Preliminary results from the CLG's fall monitoring round show results consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents sampled and CLG is preparing a comprehensive annual data report for 2018 for submission.

5. Underwood Engineers, consultant to the City of Portsmouth, completed a study of the feasibility of extending a water supply line down Breakfast Hill Road in Greenland and reports that it would cost between \$18 - \$25 million to connect about 240 homes and five business. The study was paid for with a grant from the NHDES to the City of Portsmouth. The design would require the construction of a water tower to provide required pressure and would increase the demand on the City of

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Portsmouth's water system by about 35,000 gallons per day. Underwood Engineers presented the results of the feasibility study to the City of Portsmouth and the Town of Greenland.

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From: Hull, Richard  
Sent: Thursday, February 07, 2019 9:43 AM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>;  
Subject: RE: Coakley Update -12/12/18

Hi Bryan. Having missed a few bi-weekly updates during the shutdown, the information below does include some significant progress since the last update of December 12. Let me know if you have any questions. FYI &#8211; I am also providing this to Kelsey for an upcoming call between Deb and new NH congressional.

Updated February 6, 2019

1. Treatment systems were installed by the CLG in November 2018 at two water supply wells, 368 Breakfast Hill Road residence and Breakfast Hill Golf Club, that had exceeded the new AGQS for 1,4 dioxane. Two rounds of post-treatment samples have been collected and 1,4 dioxane was not detected. DES is requiring that the CLG expand the GMZ to incorporate these two properties.

2. CLG submitted results from packer testing of newly installed bedrock boreholes. Samples from isolated fractures were analyzed for PFAS, 1,4 dioxane and VOCs. PFAS and 1,4 dioxane were detected a few fractures from 2 of the 3 new boreholes. Along with the data, CLG submitted a proposal for completing each of the boreholes.

3. CLG has now gained access, redeveloped and surveyed 7 historic bedrock boreholes as part of the ongoing bedrock investigation, and is pursuing access to at least 2 more historic bedrock well. CLG will compile geophysical survey information from these wells and submit recommendations for fracture zones to be sampled via packer interval sampling. This data, along with geophysical and packer sampling results from the 3 newly installed bedrock boreholes will be used to update the site

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conceptual model for groundwater flow in bedrock.

4. Samples of storm water runoff and infiltration from the landfill cover, retention basins, discharge culverts, underdrain discharge locations and landfill seep locations were collected last October. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Samples have been analyzed and results will be provided once the data is reported by the lab and validated. Additional wet weather sampling at these locations will be conducted in the spring. Samples of landfill cover materials (vegetative cover, compost, liner) have also been collected and are being analyzed.

5. EPA issued a Work Authorization Form under the Interagency Agreement with the USGS for the refinement of a hydrogeologic model of groundwater flow in bedrock at and near the Coakley Landfill. The modeling effort is scheduled to take one year to complete and will incorporate all new bedrock information and data collected as part of the ongoing bedrock investigation.

6. Preliminary results from the CLG's fall monitoring round show results consistent with past results, including PFAS results from residential wells. Data validated results have been provided to the residents sampled and CLG is preparing a comprehensive annual data report for 2018 for submission.

7. Underwood Engineers, consultant to the City of Portsmouth, completed a study of the feasibility of extending a water supply line down Breakfast Hill Road in Greenland and reports that it would cost between \$18 - \$25 million to connect about 240 homes and five business. The study was paid for with a grant from the NHDES to the City of Portsmouth. The design would require the construction of a water tower to provide required pressure and would increase the demand on the City of Portsmouth's water system by about 35,000 gallons per day. Underwood Engineers presented the results of the feasibility study to the City of Portsmouth and the Town of Greenland.

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From: Hull, Richard  
Sent: Wednesday, December 12, 2018 4:01 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov>  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>; Dumville, Kelsey <Dumville.Kelsey@epa.gov>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>; Taylor,

updated.txt

Melissa <Taylor.Melissag@epa.govmailto:Taylor.Melissag@epa.gov>;

Subject: RE: Coakley Update -12/12/18

Hi Bryan. Here is a bi-weekly update for Coakley. My apologies for not providing an update on November 29.

Updated December 12, 2018

1. Treatment systems have been installed by the CLG at the two wells, 368 Breakfast Hill Road residence and Breakfast Hill Golf Club, that had recently exceeded the new AGQS for 1,4 dioxane. The systems are operating and have been approved by DES. Post-treatment samples were collected and 1,4 dioxane was not detected. DES is requiring that the CLG expand the GMZ to incorporate these two properties.

2. CLG submitted results from packer testing of newly installed bedrock boreholes. Samples from isolated fractures were analyzed for PFAS, 1,4 dioxane and VOCs. PFAS and 1,4 dioxane were detected a few fractures from 2 of the 3 new boreholes. Along with the data, CLG submitted a proposal for completing each of the boreholes.

3. CLG has gained access to 6 historic bedrock boreholes for surveying and sampling. Well redevelopment of 4 of the wells began the week of Dec. 10 and borehole geophysics will be initiated the week of Dec. 17. CLG has also gained access to survey and sample an existing supply well located on a parcel adjacent to the landfill. CLG continues to pursue access at 3 additional historic bedrock boreholes.

4. Wet weather storm water runoff samples were collected from landfill cover retention basins and discharge culverts, underdrain discharge locations and landfill seep locations on October 27. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Samples are being analyzed and results will be provided once the data is reported by the lab. Additional wet weather sampling at these locations will be conducted in the spring. Samples of landfill cover materials (vegetative cover, compost, liner) have also been collected and are being analyzed.

5. Representatives from USGS visited the site on October 24 to become more familiar with site features and to discuss the scope of work for developing a localized flow model. Based on the findings of this visit, the USGS revised its scope of work and a Work Authorization Form was issued under the Interagency Agreement with the USGS.

6. Preliminary results from the fall LTEMP monitoring round show results consistent with past results, including PFAS results from residential wells. Data validated results should be available by the end of December, at which time they will be provided to the residents sampled.

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Let me know if you have any questions on this.

Skip

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From: Hull, Richard  
Sent: Thursday, November 15, 2018 12:42 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville,  
Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Cianciarulo,  
Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor,  
Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>;  
Subject: RE: Coakley Update -10/4/18

Bryan, detailed below is my bi-weekly update for Coakley.

Updated November 15, 2018

1. Treatment systems have been installed by the CLG at the two wells, 368 Breakfast Hill Road residence and Breakfast Hill Golf Club, that had recently exceeded the new AGQS for 1,4 dioxane. The systems are operating and have been approved by DES. DES is requiring that the CLG expand the GMZ to incorporate these two properties.

2. Samples from packer testing of newly installed bedrock boreholes have been analyzed for PFAS, 1,4 dioxane and VOCs, and preliminary data has been provided. Final data is anticipated to be submitted next week. The CLG continues to pursue access to 7 historic boreholes for surveying and sampling and has gained verbal agreement to access 3 of the wells.

3. Wet weather storm water runoff samples were collected from landfill cover retention basins and discharge culverts, underdrain discharge locations and landfill seep locations on October 27. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Samples are being analyzed and results will be provided once the data is reported by the lab. Additional sampling at these locations will be conducted in the spring.

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4. Representatives from USGS visited the site on October 24 to become more familiar with site features and to discuss the scope of work for developing a localized flow model. Based on the findings of this visit, the USGS prepared a revised scope of work which has been reviewed by EPA an interagency agreement for the development of this flow model is being finalized. Development of this model is scheduled to take about 6-9 months.

Let me know if you have any questions on this.

Skip

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From: Hull, Richard  
Sent: Thursday, November 01, 2018 1:49 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>;  
Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley.

Updated November 1, 2018

1. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has been completed and preliminary data (not validated) has been provided. Boreholes were sampled and analyzed for VOCs, PFAS and 1,4 dioxane. The CLG continues to pursue access to 7 historic boreholes for surveying and sampling. Some of these boreholes are located to the east and south of the landfill.

2. The CLG and NHDES collected samples from two wells (one residential at 368 Breakfast Hill Road, golf course clubhouse) that had previously had 1,4 dioxane levels above the now promulgated state standard of 0.32 ppb. The state directed the CLG to take these samples (DES collected split samples) after adoption of the new standard. The DES samples were above 0.32 ppb (0.38 ppb residential well, 0.61 ppb golf course clubhouse). October 5, DES sent the CLG a letter directing it to

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provide bottled water for the residential well owners and develop a plan for corrective action within 30 days. DES is preparing a similar letter for the golf course clubhouse well (results just received) for issuance today. The golf course clubhouse well is actually a regulated &#8220;transient non-community&#8221; system. The CLG sample results are undergoing data validation and have not yet been made available.

3. Mark Gearreald, attorney for the Town of Hampton, provided a statement from Tom Ballestero to the Commission at its meeting on October 10. A response was provided to Mark Gearreald and the commission prior to its meeting on October 24.

4. Wet weather storm water runoff samples were collected from landfill cover retention basins and discharge culverts, underdrain discharge locations and landfill seep locations on October 27. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material.

5. Representatives from USGS visited the site on October 24 to become more familiar with site features and to discuss the scope of work for developing a localized flow model. A revised scope of work has been submitted based on this site visit and EPA comments. Upon review and approval, EPA will enter in to an interagency agreement for the development of this flow model.

6. Bob Sullivan, attorney for the City of Portsmouth and former chair of the CLG board, resigned his position from the board. A replacement has not yet been named.

Let me know if you have any questions.

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From: Hull, Richard  
Sent: Thursday, October 18, 2018 5:34 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>&gt;; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>&gt;; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>&gt;;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>&gt;; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>&gt;



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Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley Landfill. Not much to update relative to ongoing investigation work, except that it is ongoing. There are a couple of things that came out of the leg. comm. meeting last week as well as some new information related to the DES enforcing its new 1,4 dioxane standard.

Updated October 18, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 14 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own). Summary of results:

- \* 7 of 14 were ND for PFAS
- \* PFOA detected in 7 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has been completed but results are not yet available. Boreholes were sampled and analyzed for VOCs, PFAS and 1,4 dioxane. The CLG continues to pursue access to 7 historic boreholes for surveying and sampling. Some of these boreholes are located to the east and south of the landfill.

3. The CLG and NHDES collected samples from two wells (one residential at 368 Breakfast Hill Road, golf course clubhouse) that had previously had 1,4 dioxane levels above the now promulgated state standard of 0.32 ppb. The state directed the CLG to take these samples (DES collected split samples) after adoption of the new standard. The DES sample was above 0.32 ppb (0.38 ppb) and so on October 5, DES sent the CLG a letter directing it to provide bottled water and develop a plan for corrective action within 30 days. The CLG results have not yet been made available.

4. Mark Gearreald, attorney for the Town of Hampton, provided a statement from Tom Ballestero (attached) to the Commission at its meeting on October 10. In the two-page statement, Mr. Ballestero reiterates some of his prior assertions and interpretations related to flow and contaminant transport at the landfill and asks for a "more urgent response at the Coakley Landfill". Mr. Ballestero also asserts that none of his suggestions have been implemented and that errors in the conceptual model that he has pointed out have "been largely ignored." Worth noting is that Mr. Ballestero does state that "radial flow continued up until the landfill was capped" and that "landfill capping most likely affected groundwater flow at the landfill" which is something he has not acknowledged in the past. Jim Murphy committed to a response

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to this statement for the next commission meeting.

Let me know if you have any questions.

Skip

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From: Hull, Richard  
Sent: Thursday, October 04, 2018 11:28 AM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville,  
Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>  
Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley Landfill. I've also include this information in an update to the Legislative Commission, along with responses to a couple of specific questions from the last meeting. The Commission is meeting again next week.

Let me know if you have any questions.

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Updated October 4, 2018

1. Note this summary of residential sampling is amended from the Sept. 24 update: The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 14 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own). Summary of results:

- \* 7 of 14 were ND for PFAS
- \* PFOA detected in 7 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt

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\* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. A statement of these results was developed and distributed to Jim Murphy's Coakley contact group (you may have seen the NHPR piece.)

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. CLG submitted a draft work plan on September 10, and EPA conditionally approved the work plan on September 26. Investigation activities will include further sampling of stormwater and subsurface collection system discharges and the assessment of cap and retention pond construction and materials.

4. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has begun and will be completed in the next couple of weeks, with analytical results to follow (based on laboratory reporting). The CLG is also pursuing access to 7 historic boreholes for surveying and sampling, some of which are located to the east and south of the landfill.

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From: Hull, Richard  
Sent: Monday, September 24, 2018 11:53 AM  
To: Cianciarulo, Robert

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<Cianciarulo.Bob@epa.govmailto:Cianciarulo.Bob@epa.gov>; Taylor, Melissa  
<Taylor.Melissag@epa.govmailto:Taylor.Melissag@epa.gov>; Olson, Bryan  
<Olson.Bryan@epa.govmailto:Olson.Bryan@epa.gov>;  
Subject: Coakley Update - 9/24/18

Hi Bryan. Bi-weekly update for Coakley including results in from sampling of the 20 additional residential wells that were identified in response to the citizens petition.

Updated September 24, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 12 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own, 2 did not respond to schedule sampling). Summary of results:

- \* 6 of 12 were ND for PFAS
- \* PFOA detected in 6 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. The risk assessor's interpretation explained here has not been provided to the public or the press. OSRR is coordinating with Jim and Kelsey to provide this information to the public and the media.

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. CLG submitted a draft work plan on September 10. EPA and NHDES are currently reviewing and developing a conditional approval for the work plan.

4. EPA and NHDES reviewed and approved proposed fracture zones for packer

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sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs will begin on September 25.

5. EPA is working with USGS and NHDES to develop a scope of work for a site-specific model for groundwater flow in bedrock.

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Sent: Thursday, September 06, 2018 4:47 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>>  
Subject: RE: Coakley Update - 8/8/18

Hi Bryan. Bi-weekly update for Coakley, most notably the fish tissue info. I would stress that OEME is conducting a data verification review for the fish tissue data report and that we have not provided the risk interpretation included below to the public or press.

Updated September 6, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results from some of the initial wells sampled have been provided. PFAS were not detected in four of the first ten wells sampled. PFOA was detected in six wells, PFOS in one well, PFHxS in one well and PFBS in one well. All results were well below the HA of 70 ppt, and except for the PFBS result of 14 ppt, below 6 ppt.

2. The results of fish tissuesampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook

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is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. The risk assessor's interpretation explained here has not been provided to the public or the press. OSRR is coordinating with Jim and Kelsey to provide this information to the public and the media.

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. EPA asked for a workplan to be submitted in 15 days.

4. EPA attended the legislative commission meeting on September 5 and presented some update information to the commission. Tara Somers of ATSDR also discussed the role of ATSDR and the development of its MLR for PFAS.

5. EPA is working with USGS and NHDES to develop a scope of work for a site-specific model for groundwater flow in bedrock.

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From: Hull, Richard  
Sent: Thursday, August 23, 2018 4:53 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: RE: Coakley Update - 8/8/18

Hi Bryan. Sorry I'm just getting to this now, but here is an update on the Coakley issues we provided on August 8.

Updated August 23, 2018

1. The NHDES MtBE bureau began sampling of additional residential wells in Greenland, North Hampton and Rye this week.

2. EPA and NHDES met with Kim McNamara on August 23, along with a consultant for the City of Portsmouth (b) (5)

[REDACTED]. Kim will present to Bob Sullivan for the CLG to consider.

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3. Fish tissue samples are being processed and results are expected in a few weeks.

4. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. EPA asked for a workplan to be submitted in 15 days.

Sorry again for this being late. Let me know if you have any questions, although I am off tomorrow but back on Monday.

Skip

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From: Hull, Richard  
Sent: Wednesday, August 08, 2018 1:19 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: RE: Coakley Update - 8/8/18

I just heard from the PRP's consultant that the results from the analysis of fish tissue samples will be provided by the end of August.

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(617) 918-1882

From: Cianciarulo, Robert  
Sent: Wednesday, August 08, 2018 12:39 PM  
To: Hull, Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson,

updated.txt

Bryan <Olson.Bryan@epa.gov><mailto:Olson.Bryan@epa.gov>;  
Subject: RE: Coakley Update - 8/8/18

Bryan &#8211; see below. If Skip gets any more on the fish in time for your meeting this afternoon, he can update it, otherwise we&#8217;ll do it in a subsequent update.

Our proposal is to have Skip do an update like this for you every two weeks so you have it for Alex and your HQ check-ins.

From: Hull, Richard  
Sent: Wednesday, August 08, 2018 12:34 PM  
To: Taylor, Melissa <Taylor.Melissag@epa.gov><mailto:Taylor.Melissag@epa.gov>;  
Cianciarulo, Robert <Cianciarulo.Bob@epa.gov><mailto:Cianciarulo.Bob@epa.gov>;  
Subject: Coakley Update - 8/8/18

Here&#8217;s the revised update. I ran in to Bryan and he was looking for this for a meeting with Alex this afternoon. I tried to get more details on fish sample analysis and results, but haven&#8217;t heard back from PRPs who are checking with lab.

Updated August 8, 2018

An June 4, 2018, the Regional Administrator met with Jillian Lane of Greenland Safe Water Action, and other members of the community who live near the Coakley Landfill.

At that meeting, Jillian presented the RA with a petition signed by 135 concerned citizens that requested action be taken to address issues related to PFAS contamination at the Coakley Landfill and the local community. On July 3, 2018, the RA responded to that petition with action items addressing the issues outlined in the petition. Below is an update of the actions being taken to address those, and other issues:

1. Issue: The petition outlined concerns related to residential wells that are impacted by PFAS contamination and asked for access to a safe water supply and expanded residential well sampling.

Status: To date, all residential wells sampled remain below the HA of 70 ppt for PFOA and PFOS. On August 6, EPA mailed letters to 20 residents in Greenland, North Hampton and Rye offering sampling of tap water and analysis for PFAS. These residents had previously requested sampling, including a number that requested sampling during the June 4 community meeting with Alex Dunn. Beginning a few days after the mailing, the NHDES MtBE bureau will begin contacting the residents to schedule sampling. Samples will be shipped to OEME for analysis of PFAS.

2. Issue: EPA committed to working with the USGS to better define the local hydrogeology and flow patterns to better characterize the potential for the flow of



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PFAS contamination to local residents.

Status: OSRTI has provided funding to the region for this task and OSRR has initiated an Interagency Agreement with USGS to develop a model to evaluate site-specific hydrogeologic flow conditions at and around Coakley Landfill. USGS submitted a draft work plan and budget estimate, and OSRR has provided comments. Depending on the USGS internal review process, the IA will be finalized and work will begin by the start of FY19.

3. Issue: The petition asked that EPA compel the CLG to install effective remediation to address PFAS contamination.

Status: EPA and NHDES met with the City of Portsmouth's health officer, Kim McNamara, to discuss voluntary measures that the City and/or CLG can undertake to alleviate the impacts to residents near Coakley Landfill. Kim had reached out to both EPA and NHDES looking for suggestions. Suggested measures include providing point-of-use water supply filtration systems, extending a municipal water supply line, expand residential well sampling, and maintenance and treatment of impacted surface water. Kim will convene a meeting in mid-August to discuss these issues in more detail.

4. Other Issues: Bedrock investigation continues with installation of three deep-bedrock wells and the completion of geophysical surveying the week of July 30. Geophysics data will be used to identify water-bearing fractures for sampling beginning in August. Existing bedrock wells have been inventoried and geophysics and sampling will also be performed on those wells determined to be viable.

5. Other Issues: Fish samples have been collected from Berrys Brook and have been processed and analyzed. EPA is awaiting analytical results which will be submitted following the laboratory data validation and review process.

6. Other Issues: CLG is developing a work plan for assessing impacts of the discharge of runoff from the surface of the landfill cap to surface water receptors to identify potential PFAS contributions that may exist beyond landfill leachate. This work plan will be submitted Sept.-Oct.

Richard W. Hull, Project Manager  
USEPA New England, Region 1  
5 Post Office Square, Suite 100  
OSRR07-1  
Boston, MA 02109-3912  
Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Dumville, Kelsey  
Sent: Wednesday, February 27, 2019 10:18 AM  
To: Olson, Bryan; Cianciarulo, Robert; Taylor, Melissa; Hull, Richard; Sherman,

updated.txt

RuthAnn; Barmakian, Nancy  
Subject: RE: here we go again?

For what it's worth, Mindy Messmer shared this on her facebook page in the last day, so it may not be old news.

Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003  
Cell: 857-998-0226

From: Olson, Bryan  
Sent: Wednesday, February 27, 2019 8:27 AM  
To: Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>; Hull, Richard <Hull.Richard@epa.gov>; Sherman, RuthAnn <sherman.ruthann@epa.gov>; Barmakian, Nancy <Barmakian.Nancy@epa.gov>; Dumville, Kelsey <Dumville.Kelsey@epa.gov>  
Subject: RE: here we go again?

It is like nothing has happened over the last two years. It's unbelievable. Mike W is still not helping the situation either.

From: Cianciarulo, Robert  
Sent: Wednesday, February 27, 2019 7:58 AM  
To: Taylor, Melissa <Taylor.Melissag@epa.govmailto:Taylor.Melissag@epa.gov>; Hull, Richard <Hull.Richard@epa.govmailto:Hull.Richard@epa.gov>; Sherman, RuthAnn <sherman.ruthann@epa.govmailto:sherman.ruthann@epa.gov>; Olson, Bryan <Olson.Bryan@epa.govmailto:Olson.Bryan@epa.gov>; Barmakian, Nancy <Barmakian.Nancy@epa.govmailto:Barmakian.Nancy@epa.gov>; Dumville, Kelsey <Dumville.Kelsey@epa.govmailto:Dumville.Kelsey@epa.gov>  
Subject: here we go again?

Is this another one of these bills or is this paper picking up a year-old story?

[https://www.newburyportnews.com/news/regional\\_news/bill-forces-nh-to-clean-up-landfills/article\\_eec8d0-e027-5f02-9ea3-4d004adaeed9.html](https://www.newburyportnews.com/news/regional_news/bill-forces-nh-to-clean-up-landfills/article_eec8d0-e027-5f02-9ea3-4d004adaeed9.html)

From: Olson, Bryan  
Sent: Wednesday, February 27, 2019 8:27 AM  
To: Cianciarulo, Robert; Taylor, Melissa; Hull, Richard; Sherman, RuthAnn; Barmakian, Nancy; Dumville, Kelsey  
Subject: RE: here we go again?

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Sent: Wednesday, February 27, 2019 7:58 AM

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<Hull.Richard@epa.gov>; Sherman, RuthAnn <sherman.ruthann@epa.gov>;  
Olson, Bryan <Olson.Bryan@epa.gov>; Barmakian, Nancy  
<Barmakian.Nancy@epa.gov>; Dumville, Kelsey <Dumville.Kelsey@epa.gov>;  
Subject: here we go again?

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[https://www.newburyportnews.com/news/regional\\_news/bill-forces-nh-to-clean-up-landfill/article\\_eeccc8d0-e027-5f02-9ea3-4d004adaeed9.html](https://www.newburyportnews.com/news/regional_news/bill-forces-nh-to-clean-up-landfill/article_eeccc8d0-e027-5f02-9ea3-4d004adaeed9.html)

From: Dumville, Kelsey  
Sent: Monday, February 04, 2019 3:58 PM  
To: Olson, Bryan; Szaro, Deb; Gutro, Doug  
Cc: Lindsay, Jane  
Subject: RE: Seacoast Cancer Commission appointment

Thank you!

Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003  
Cell: 857-998-0226

From: Olson, Bryan  
Sent: Monday, February 04, 2019 3:53 PM  
To: Dumville, Kelsey <Dumville.Kelsey@epa.gov>;  
Subject: FW: Seacoast Cancer Commission appointment

I am also OK with this. Thank you, Bryan

From: Szaro, Deb  
Sent: Monday, February 04, 2019 3:08 PM  
To: Dumville, Kelsey  
<Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Gutro, Doug <Gutro.Doug@epa.gov<mailto:Gutro.Doug@epa.gov>>; Lindsay, Jane  
<lindsay.jane@epa.gov<mailto:lindsay.jane@epa.gov>>;  
Subject: RE: Seacoast Cancer Commission appointment

I edited it a little.

Jane, please put on letterhead, get my signature, and mail.

Thanks&#8230;Deb

From: Dumville, Kelsey  
Sent: Monday, February 04, 2019 12:49 PM

updated.txt

To: Szaro, Deb <Szaro.Deb@epa.govmailto: Szaro.Deb@epa.gov>; Olson, Bryan  
<Olson.Bryan@epa.govmailto: Olson.Bryan@epa.gov>;  
Cc: Gutro, Doug <Gutro.Doug@epa.govmailto: Gutro.Doug@epa.gov>;  
Subject: FW: Seacoast Cancer Commission appointment

Hi Deb and Bryan,

Per your discussion with Doug this morning, attached is a copy of a draft letter to the NH House Clerk regarding my participation on the Legislative Commission on the Seacoast Cancer Cluster Investigation. Also attached is the 2017 letter signed by Deb suggesting Jim would be the most appropriate EPA person to sit on the Commission. Let me know if you have any questions or comments.

Thanks,  
Kelsey

Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003  
Cell: 857-998-0226

From: Dumville, Kelsey  
Sent: Friday, February 01, 2019 3:21 PM  
To: Gutro, Doug <Gutro.Doug@epa.govmailto: Gutro.Doug@epa.gov>;  
Subject: Seacoast Cancer Commission appointment

Hi Doug,

I reached out to the chair and other key members of the Cancer Cluster Commission this week to let remind them that I will be taking over for Jim as the EPA representative. When Jim was appointed to the Commission, we were required to send a letter to the House Clerk regarding his participation. I was asked to have a similar letter sent to the Clerk regarding my participation. Attached is a draft letter that I would like Deb to sign for me to send to the Clerk. If is an updated version of the letter she sent on Jim behalf in 2017 (also attached). I am not sure that we need to keep the language in the last couple of paragraphs but wanted to run it by you to see what you thought. If you could take a look and let me know if you have any comments before I send it over to Deb, that would be great.

Thanks!  
Kelsey

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From: Olson, Bryan  
Sent: Monday, February 04, 2019 3:53 PM  
To: Dumville, Kelsey  
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Attachments: seacoast cancer cluster appt Kelsey.docx

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<Olson.Bryan@epa.gov>;  
Cc: Gutro, Doug <Gutro.Doug@epa.gov>; Lindsay, Jane  
<lindsay.jane@epa.gov>;  
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Jane, please put on letterhead, get my signature, and mail.

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From: Dumville, Kelsey

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Sent: Monday, February 04, 2019 12:49 PM  
To: Szaro, Deb; Olson, Bryan  
Cc: Gutro, Doug  
Subject: FW: Seacoast Cancer Commission appointment  
Attachments: seacoast cancer cluster appt Kelsey.docx; seacoast cancer cluster appt jm.docx

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To: Gutro, Doug <Gutro.Doug@epa.gov>;  
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Thanks!  
Kelsey

Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003  
Cell: 857-998-0226

From: Olson, Bryan  
Sent: Tuesday, January 29, 2019 11:26 AM  
To: Dumville, Kelsey; Gutro, Doug; Szaro, Deb  
Subject: RE: Seacoast Online Article

Maybe we should set up a time to brief him on these sites and other issues surrounding Great Bay. We could do them as separate meetings or together; either way is fine with me. Bryan

From: Dumville, Kelsey  
Sent: Tuesday, January 29, 2019 11:06 AM  
To: Gutro, Doug <Gutro.Doug@epa.gov>; Olson, Bryan  
<Olson.Bryan@epa.gov>; Szaro, Deb <Szaro.Deb@epa.gov>;  
Subject: Fwd: Seacoast Online Article

FYI on the new Congressman in New Hampshire.

Kelsey Dumville

updated.txt

Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003<tel:617-918-1003>  
Cell: 857-998-0226<tel:857-998-0226>

Begin forwarded message:

From: "Dumville, Kelsey";  
<Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>;  
Date: January 29, 2019 at 8:57:04 AM EST  
To: "Murphy, Jim"; <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>;,  
"Hull, Richard"; <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>;,  
"Daly, Michael"; <Daly.Mike@epa.gov<mailto:Daly.Mike@epa.gov>>;,  
"Taylor, Melissa";  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>;  
Subject: Seacoast Online Article

<https://www.seacoastonline.com/news/20190125/pappas-gets-up-to-speed-on-pfas-contamination>

PORTSMOUTH -- When Congressman Chris Pappas, D-NH, met with four women working hard to address PFAS contamination in the Seacoast and across the country, he promised to what he could do help in their fight.

Pappas met with Andrea Amico and Alayna Davis, co-founders of Testing for Pease, former state representative Mindi Messmer and Lindsey Carmichael of the New Hampshire Safe Water Alliance at Popovers in Portsmouth.

Pappas recently signed on to a new bipartisan task force on PFAS, formed in the House by Reps. Dan Kildee, D-Mich, and Brian Fitzpatrick, R-PA, to address the drinking water contamination attributed to toxic flourinated chemicals known as PFAS. With the federal government shutdown there has not been any real action yet from the task force, but Pappas said he hopes that changes soon and he pledged to work with the women.

"We want to help, to raise your voices and make sure you are heard," said Pappas. "I want to support policy at the federal level that can help change the way we look at this contamination, and find the legislative paths that can assist."

The Testing for Pease group has been working with ATSDR (Agency for Toxic Substances and Disease Registry) to research the contamination. A meeting at Pease, scheduled for Feb. 7 has been postponed, possibly due to the government shutdown, said the group members.

On Friday, a deal had been reached to reopen the government for three weeks while the Democrats and Republicans negotiated a possible settlement to keep it open.

PFAS are man-made chemicals that were used in a number of ways, including non-stick



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cookware, water repellant clothing, carpets and firefighting foam. The testing for Pease group said their PFAS contamination stems from firefighting foam. The issue, whatever the cause, is nationwide, even global and Amico said they are working to mobilize and work with like-minded groups across the country to bring more pressure to the federal and state governments and get definitive action on the problem.

"It has been five years since we formed our group," Amico told Pappas. "We want to bring you up to speed on where we are and how you can help."

Amico spoke about how she became involved. Her husband was working in a company located on the Pease Tradeport, and her two young children attended day care there also.

"When I heard about the contamination of, and the closing of a well at Pease, I became concerned for my family," said Amico. "There were hundreds of children in day care. The state did testing and our blood levels came back elevated for the chemicals. We don't know what that means for our children down the road. All we can do is monitor their health. The chemicals stay in your body a long, long time. Our kids are healthy now, but who knows what is down the road. We need to find out."

The women told Pappas they want to see PFAS classified as a family of compounds, which should make testing and research move quicker. They also want to see federal funding allocated for research and to help families impacted by PFAS, with a focus on the most sensitive populations, babies, children and nursing mothers.

Pappas asked if there might be families impacted who are not aware of the risks. Absolutely, said the women.

"Most physicians are not educated about PFAS," said Davis. "My son was exposed. I have to bring specific guidelines to our doctor, have to ask him to test for this."

Messmer said the Seacoast has a cancer cluster, primarily among children. She said there are 661 military bases across the country, and that doesn't even take into account industrial manufacturers where PFAS contamination exists.

Carmichael said the estimates are that at least one-third of the nation's water supplies are impacted by PFAS.

Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator  
Office: 617-918-1003  
Cell: 857-998-0226

From: Dumville, Kelsey  
Sent: Tuesday, January 29, 2019 11:06 AM  
To: Gutro, Doug; Olson, Bryan; Szaro, Deb  
Subject: Fwd: Seacoast Online Article

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Date: January 29, 2019 at 8:57:04 AM EST  
To: "Murphy, Jim" <Murphy.Jim@epa.gov>;  
"Hull, Richard" <Hull.Richard@epa.gov>;  
"Daly, Michael" <Daly.Mike@epa.gov>;  
"Taylor, Melissa" <Taylor.Melissag@epa.gov>  
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Kelsey Dumville  
Public Affairs Office  
Senior Community Involvement Coordinator

updated.txt

Office: 617-918-1003  
Cell: 857-998-0226

From: Olson, Bryan  
Sent: Thursday, November 15, 2018 12:51 PM  
To: Hull, Richard  
Cc: Murphy, Jim; Dumville, Kelsey; Cianciarulo, Robert; Taylor, Melissa  
Subject: RE: Coakley Update -10/4/18

Thank you Skip. For number 2, was there any noteworthy preliminary results from the sampling in the boreholes? Bryan

From: Hull, Richard  
Sent: Thursday, November 15, 2018 12:42 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>; Dumville, Kelsey  
<Dumville.Kelsey@epa.gov>; Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>;  
Subject: RE: Coakley Update -10/4/18

Bryan, detailed below is my bi-weekly update for Coakley.

Updated November 15, 2018

1. Treatment systems have been installed by the CLG at the two wells, 368 Breakfast Hill Road residence and Breakfast Hill Golf Club, that had recently exceeded the new AGQS for 1,4 dioxane. The systems are operating and have been approved by DES. DES is requiring that the CLG expand the GMZ to incorporate these two properties.

2. Samples from packer testing of newly installed bedrock boreholes have been analyzed for PFAS, 1,4 dioxane and VOCs, and preliminary data has been provided. Final data is anticipated to be submitted next week. The CLG continues to pursue access to 7 historic boreholes for surveying and sampling and has gained verbal agreement to access 3 of the wells.

3. Wet weather storm water runoff samples were collected from landfill cover retention basins and discharge culverts, underdrain discharge locations and landfill seep locations on October 27. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material. Samples are being analyzed and results will be provided once the data is reported by the lab. Additional sampling at these locations will be conducted in the spring.

4. Representatives from USGS visited the site on October 24 to become more familiar with site features and to discuss the scope of work for developing a localized flow model. Based on the findings of this visit, the USGS prepared a

updated.txt

revised scope of work which has been reviewed by EPA an interagency agreement for the development of this flow model is being finalized. Development of this model is scheduled to take about 6-9 months.

Let me know if you have any questions on this.

Skip

Richard W. Hull, Project Manager  
USEPA New England, Region 1  
5 Post Office Square, Suite 100  
OSRR07-1  
Boston, MA 02109-3912  
Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

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Sent: Thursday, November 01, 2018 1:49 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
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Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley.

Updated November 1, 2018

1. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has been completed and preliminary data (not validated) has been provided. Boreholes were sampled and analyzed for VOCs, PFAS and 1,4 dioxane. The CLG continues to pursue access to 7 historic boreholes for surveying and sampling. Some of these boreholes are located to the east and south of the landfill.

2. The CLG and NHDES collected samples from two wells (one residential at 368 Breakfast Hill Road, golf course clubhouse) that had previously had 1,4 dioxane levels above the now promulgated state standard of 0.32 ppb. The state directed the CLG to take these samples (DES collected split samples) after adoption of the new standard. The DES samples were above 0.32 ppb (0.38 ppb residential well, 0.61 ppb golf course clubhouse). October 5, DES sent the CLG a letter directing it to provide bottled water for the residential well owners and develop a plan for corrective action within 30 days. DES is preparing a similar letter for the golf course clubhouse well (results just received) for issuance today. The golf course

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clubhouse well is actually a regulated &#8220;transient non-community&#8221; system. The CLG sample results are undergoing data validation and have not yet been made available.

3. Mark Gearreald, attorney for the Town of Hampton, provided a statement from Tom Ballestero to the Commission at its meeting on October 10. A response was provided to Mark Gearreald and the commission prior to its meeting on October 24.

4. Wet weather storm water runoff samples were collected from landfill cover retention basins and discharge culverts, underdrain discharge locations and landfill seep locations on October 27. These samples were collected in accordance with a work plan that CLG prepared and EPA reviewed and approved, to further investigate the extent of PFAS contamination associated with landfill cover material.

5. Representatives from USGS visited the site on October 24 to become more familiar with site features and to discuss the scope of work for developing a localized flow model. A revised scope of work has been submitted based on this site visit and EPA comments. Upon review and approval, EPA will enter in to an interagency agreement for the development of this flow model.

6. Bob Sullivan, attorney for the City of Portsmouth and former chair of the CLG board, resigned his position from the board. A replacement has not yet been named.

Let me know if you have any questions.

Skip

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(617) 918-1882

From: Hull, Richard  
Sent: Thursday, October 18, 2018 5:34 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>;  
Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley Landfill. Not much to update relative to ongoing investigation work, except that it is ongoing. There are a couple of things that came out of the leg. comm. meeting last week as well as some new information related to the DES enforcing its new 1,4 dioxane standard.

Updated October 18, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 14 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own). Summary of results:

- \* 7 of 14 were ND for PFAS
- \* PFOA detected in 7 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has been completed but results are not yet available. Boreholes were sampled and analyzed for VOCs, PFAS and 1,4 dioxane. The CLG continues to pursue access to 7 historic boreholes for surveying and sampling. Some of these boreholes are located to the east and south of the landfill.

3. The CLG and NHDES collected samples from two wells (one residential at 368 Breakfast Hill Road, golf course clubhouse) that had previously had 1,4 dioxane levels above the now promulgated state standard of 0.32 ppb. The state directed the CLG to take these samples (DES collected split samples) after adoption of the new standard. The DES sample was above 0.32 ppb (0.38 ppb) and so on October 5, DES sent the CLG a letter directing it to provide bottled water and develop a plan for corrective action within 30 days. The CLG results have not yet been made available.

4. Mark Gearreald, attorney for the Town of Hampton, provided a statement from Tom Ballestero (attached) to the Commission at its meeting on October 10. In the two-page statement, Mr. Ballestero reiterates some of his prior assertions and interpretations related to flow and contaminant transport at the landfill and asks for a more urgent response at the Coakley Landfill;. Mr. Ballestero also asserts that none of his suggestions have been implemented and that errors in the conceptual model that he has pointed out have been largely ignored.; Worth noting is that Mr. Ballestero does state that radial flow continued up until the landfill was capped; and that landfill capping most likely affected groundwater flow at the landfill; which is something he has not acknowledged in the past. Jim Murphy committed to a response to this statement for the next commission meeting.

updated.txt

Let me know if you have any questions.

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<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville,  
Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>;  
Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley Landfill. I've also include this information in an update to the Legislative Commission, along with responses to a couple of specific questions from the last meeting. The Commission is meeting again next week.

Let me know if you have any questions.

Skip

Updated October 4, 2018

1. Note this summary of residential sampling is amended from the Sept. 24 update: The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 14 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own). Summary of results:

- \* 7 of 14 were ND for PFAS
- \* PFOA detected in 7 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook



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ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. A statement of these results was developed and distributed to Jim Murphy's Coakley contact group (you may have seen the NHPR piece.)

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. CLG submitted a draft work plan on September 10, and EPA conditionally approved the work plan on September 26. Investigation activities will include further sampling of stormwater and subsurface collection system discharges and the assessment of cap and retention pond construction and materials.

4. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has begun and will be completed in the next couple of weeks, with analytical results to follow (based on laboratory reporting). The CLG is also pursuing access to 7 historic boreholes for surveying and sampling, some of which are located to the east and south of the landfill.

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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Hull, Richard  
Sent: Monday, September 24, 2018 11:53 AM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>

Subject: Coakley Update - 9/24/18

Hi Bryan. Bi-weekly update for Coakley including results in from sampling of the 20 additional residential wells that were identified in response to the citizens petition.

Updated September 24, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 12 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own, 2 did not respond to schedule sampling). Summary of results:

- \* 6 of 12 were ND for PFAS
- \* PFOA detected in 6 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. The risk assessor's interpretation explained here has not been provided to the public or the press. OSRR is coordinating with Jim and Kelsey to provide this information to the public and the media.

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. CLG submitted a draft work plan on September 10. EPA and NHDES are currently reviewing and developing a conditional approval for the work plan.

4. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs will begin on September 25.

5. EPA is working with USGS and NHDES to develop a scope of work for a

updated.txt

site-specific model for groundwater flow in bedrock.

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From: Hull, Richard  
Sent: Thursday, September 06, 2018 4:47 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: RE: Coakley Update - 8/8/18

Hi Bryan. Bi-weekly update for Coakley, most notably the fish tissue info. I would stress that OEME is conducting a data verification review for the fish tissue data report and that we have not provided the risk interpretation included below to the public or press.

Updated September 6, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results from some of the initial wells sampled have been provided. PFAS were not detected in four of the first ten wells sampled. PFOA was detected in six wells, PFOS in one well, PFHxS in one well and PFBS in one well. All results were well below the HA of 70 ppt, and except for the PFBS result of 14 ppt, below 6 ppt.
2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. The risk assessor's interpretation explained here has not been provided to the public or the press.

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OSRR is coordinating with Jim and Kelsey to provide this information to the public and the media.

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. EPA asked for a workplan to be submitted in 15 days.

4. EPA attended the legislative commission meeting on September 5 and presented some update information to the commission. Tara Somers of ATSDR also discussed the role of ATSDR and the development of its MLR for PFAS.

5. EPA is working with USGS and NHDES to develop a scope of work for a site-specific model for groundwater flow in bedrock.

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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Hull, Richard  
Sent: Thursday, August 23, 2018 4:53 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: RE: Coakley Update - 8/8/18

Hi Bryan. Sorry I'm just getting to this now, but here is an update on the Coakely issues we provided on August 8.

Updated August 23, 2018

1. The NHDES MtBE bureau began sampling of additional residential wells in Greenland, North Hampton and Rye this week.

2. EPA and NHDES met with Kim McNamara on August 23, along with a consultant for the City of Portsmouth (b) (5)

Kim will present to Bob Sullivan for the CLG to consider.

3. Fish tissue samples are being processed and results are expected in a few weeks.

4. On August 14, CLG submitted results of sampling of stormwater collected from

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the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. EPA asked for a workplan to be submitted in 15 days.

Sorry again for this being late. Let me know if you have any questions, although I am off tomorrow but back on Monday.

Skip

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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Hull, Richard  
Sent: Wednesday, August 08, 2018 1:19 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: RE: Coakley Update - 8/8/18

I just heard from the PRP's consultant that the results from the analysis of fish tissue samples will be provided by the end of August.

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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Cianciarulo, Robert  
Sent: Wednesday, August 08, 2018 12:39 PM  
To: Hull, Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: RE: Coakley Update - 8/8/18

updated.txt

Bryan &#8211; see below. If Skip gets any more on the fish in time for your meeting this afternoon, he can update it, otherwise we&#8217;ll do it in a subsequent update.

Our proposal is to have Skip do an update like this for you every two weeks so you have it for Alex and your HQ check-ins.

From: Hull, Richard

Sent: Wednesday, August 08, 2018 12:34 PM

To: Taylor, Melissa <Taylor.Melissag@epa.gov>&mailto:Taylor.Melissag@epa.gov>;

Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>&mailto:Cianciarulo.Bob@epa.gov>;

Subject: Coakley Update - 8/8/18

Here&#8217;s the revised update. I ran in to Bryan and he was looking for this for a meeting with Alex this afternoon. I tried to get more details on fish sample analysis and results, but haven&#8217;t heard back from PRPs who are checking with lab.

Updated August 8, 2018

An June 4, 2018, the Regional Administrator met with Jillian Lane of Greenland Safe Water Action, and other members of the community who live near the Coakley Landfill.

At that meeting, Jillian presented the RA with a petition signed by 135 concerned citizens that requested action be taken to address issues related to PFAS contamination at the Coakley Landfill and the local community. On July 3, 2018, the RA responded to that petition with action items addressing the issues outlined in the petition. Below is an update of the actions being taken to address those, and other issues:

1. Issue: The petition outlined concerns related to residential wells that are impacted by PFAS contamination and asked for access to a safe water supply and expanded residential well sampling.

Status: To date, all residential wells sampled remain below the HA of 70 ppt for PFOA and PFOS. On August 6, EPA mailed letters to 20 residents in Greenland, North Hampton and Rye offering sampling of tap water and analysis for PFAS. These residents had previously requested sampling, including a number that requested sampling during the June 4 community meeting with Alex Dunn. Beginning a few days after the mailing, the NHDES MtBE bureau will begin contacting the residents to schedule sampling. Samples will be shipped to OEME for analysis of PFAS.

2. Issue: EPA committed to working with the USGS to better define the local hydrogeology and flow patterns to better characterize the potential for the flow of PFAS contamination to local residents.

Status: OSRTI has provided funding to the region for this task and OSRR has

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initiated an Interagency Agreement with USGS to develop a model to evaluate site-specific hydrogeologic flow conditions at and around Coakley Landfill. USGS submitted a draft work plan and budget estimate, and OSRR has provided comments. Depending on the USGS internal review process, the IA will be finalized and work will begin by the start of FY19.

3. Issue: The petition asked that EPA compel the CLG to install effective remediation to address PFAS contamination.

Status: EPA and NHDES met with the City of Portsmouth's health officer, Kim McNamara, to discuss voluntary measures that the City and/or CLG can undertake to alleviate the impacts to residents near Coakley Landfill. Kim had reached out to both EPA and NHDES looking for suggestions. Suggested measures include providing point-of-use water supply filtration systems, extending a municipal water supply line, expand residential well sampling, and maintenance and treatment of impacted surface water. Kim will convene a meeting in mid-August to discuss these issues in more detail.

4. Other Issues: Bedrock investigation continues with installation of three deep-bedrock wells and the completion of geophysical surveying the week of July 30. Geophysics data will be used to identify water-bearing fractures for sampling beginning in August. Existing bedrock wells have been inventoried and geophysics and sampling will also be performed on those wells determined to be viable.

5. Other Issues: Fish samples have been collected from Berrys Brook and have been processed and analyzed. EPA is awaiting analytical results which will be submitted following the laboratory data validation and review process.

6. Other Issues: CLG is developing a work plan for assessing impacts of the discharge of runoff from the surface of the landfill cap to surface water receptors to identify potential PFAS contributions that may exist beyond landfill leachate. This work plan will be submitted Sept.-Oct.

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From: Olson, Bryan  
Sent: Monday, October 22, 2018 12:58 PM  
To: Hull, Richard  
Cc: Cianciarulo, Robert; Taylor, Melissa; Murphy, Jim; Dumville, Kelsey  
Subject: Re: Coakley Update -10/4/18

updated.txt

Thank you for this Skip. Anything more on the CLG doing anything to mitigate potential releases to Berry's Brook?

Bryan

Sent from my iPhone

On Oct 18, 2018, at 5:34 PM, Hull, Richard  
<Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>> wrote:

Hi Bryan,

Bi-weekly update for Coakley Landfill. Not much to update relative to ongoing investigation work, except that it is ongoing. There are a couple of things that came out of the leg. comm. meeting last week as well as some new information related to the DES enforcing its new 1,4 dioxane standard.

Updated October 18, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 14 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own). Summary of results:

- \* 7 of 14 were ND for PFAS
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2. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has been completed but results are not yet available. Boreholes were sampled and analyzed for VOCs, PFAS and 1,4 dioxane. The CLG continues to pursue access to 7 historic boreholes for surveying and sampling. Some of these boreholes are located to the east and south of the landfill.

3. The CLG and NHDES collected samples from two wells (one residential at 368 Breakfast Hill Road, golf course clubhouse) that had previously had 1,4 dioxane levels above the now promulgated state standard of 0.32 ppb. The state directed the CLG to take these samples (DES collected split samples) after adoption of the new standard. The DES sample was above 0.32 ppb (0.38 ppb) and so on October 5, DES sent the CLG a letter directing it to provide bottled water and develop a plan for corrective action within 30 days. The CLG results have not yet been made available.



updated.txt

4. Mark Gearreald, attorney for the Town of Hampton, provided a statement from Tom Ballestero (attached) to the Commission at its meeting on October 10. In the two-page statement, Mr. Ballestero reiterates some of his prior assertions and interpretations related to flow and contaminant transport at the landfill and asks for a “more urgent response at the Coakley Landfill”. Mr. Ballestero also asserts that none of his suggestions have been implemented and that errors in the conceptual model that he has pointed out have “been largely ignored.” Worth noting is that Mr. Ballestero does state that “radial flow continued up until the landfill was capped” and that “landfill capping most likely affected groundwater flow at the landfill...” which is something he has not acknowledged in the past. Jim Murphy committed to a response to this statement for the next commission meeting.

Let me know if you have any questions.

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Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville,  
Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>;  
Subject: RE: Coakley Update -10/4/18

Hi Bryan,

Bi-weekly update for Coakley Landfill. I’ve also include this information in an update to the Legislative Commission, along with responses to a couple of specific questions from the last meeting. The Commission is meeting again next week.

Let me know if you have any questions.

Skip

Updated October 4, 2018

1. Note this summary of residential sampling is amended from the Sept. 24 update:

updated.txt

The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 14 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own). Summary of results:

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- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. A statement of these results was developed and distributed to Jim Murphy's Coakley contact group (you may have seen the NHPR piece.)

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. CLG submitted a draft work plan on September 10, and EPA conditionally approved the work plan on September 26. Investigation activities will include further sampling of stormwater and subsurface collection system discharges and the assessment of cap and retention pond construction and materials.

4. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs has begun and will be completed in the next couple of weeks, with analytical results to follow (based on laboratory reporting). The CLG is also pursuing access to 7 historic boreholes for surveying and sampling, some of which are located to the east and south of the landfill.

Richard W. Hull, Project Manager  
USEPA New England, Region 1

updated.txt

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OSRR07-1  
Boston, MA 02109-3912  
Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Hull, Richard  
Sent: Monday, September 24, 2018 11:53 AM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>>  
Subject: Coakley Update - 9/24/18

Hi Bryan. Bi-weekly update for Coakley including results in from sampling of the 20 additional residential wells that were identified in response to the citizens petition.

Updated September 24, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results have been provided to the residents. Of the 20 original requests, 12 wells were sampled (3 previously sampled by NHDES, 2 residents moved, 1 sampled on their own, 2 did not respond to schedule sampling). Summary of results:

- \* 6 of 12 were ND for PFAS
- \* PFOA detected in 6 wells
- \* PFOS, PFBS and PFHxS also detected
- \* No results either individually or collectively were above 70 ppt
- \* One PFBS result at 14 ppt; otherwise all results below 6 ppt

2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected. Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. The risk assessor's interpretation explained here has not been provided to the public or the press. OSRR is coordinating with Jim and Kelsey to provide this information to the public and the media.

3. On August 14, CLG submitted results of sampling of stormwater collected from

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the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. CLG submitted a draft work plan on September 10. EPA and NHDES are currently reviewing and developing a conditional approval for the work plan.

4. EPA and NHDES reviewed and approved proposed fracture zones for packer sampling from 3 new bedrock boreholes. Packer sampling for PFAS, 1,4 dioxane and VOCs will begin on September 25.

5. EPA is working with USGS and NHDES to develop a scope of work for a site-specific model for groundwater flow in bedrock.

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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Hull, Richard  
Sent: Thursday, September 06, 2018 4:47 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: RE: Coakley Update - 8/8/18

Hi Bryan. Bi-weekly update for Coakley, most notably the fish tissue info. I would stress that OEME is conducting a data verification review for the fish tissue data report and that we have not provided the risk interpretation included below to the public or press.

Updated September 6, 2018

1. The NHDES MtBE bureau completed sampling of additional residential wells in Greenland, North Hampton and Rye. Samples were submitted to, and analyzed by OEME and results from some of the initial wells sampled have been provided. PFAS were not detected in four of the first ten wells sampled. PFOA was detected in six wells, PFOS in one well, PFHxS in one well and PFBS in one well. All results were well below the HA of 70 ppt, and except for the PFBS result of 14 ppt, below 6 ppt.

2. The results of fish tissue sampling and analysis were reported to EPA on September 4. Fish were collected from five different locations in Berrys Brook ranging from about 1 mile to about 5 miles from the landfill. Of the six PFAS analyzed, PFOA, PFOS and PFNA were detected. PFOS was detected in all samples from the five locations and had the highest concentrations of the substances detected.

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Some results were above the risk-based screening level of 5.21 ng/g (based on HQ=0.1). EPA risk assessor reviewed and determined that exceedance of the screening level indicates only that further risk assessment is appropriate, but not that risks are acceptable or unacceptable. Further risk assessment was performed and involved calculation of the HQs for individual PFAS and the Hazard Index (HI), which is the sum of the individual HQs. EPA's risk limit is an HQ of 1 and a HI of 1. The sum of the HQs of multiple PFAS (the HI) was less than 1, and risk assessor tentatively concluded that the risk of recreational fish consumption in Berrys Brook is lower than EPA's risk limit of HI =1. EPA is conducting a data validation review for this fish tissue data and report. The risk assessor's interpretation explained here has not been provided to the public or the press. OSRR is coordinating with Jim and Kelsey to provide this information to the public and the media.

3. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. EPA asked for a workplan to be submitted in 15 days.

4. EPA attended the legislative commission meeting on September 5 and presented some update information to the commission. Tara Somers of ATSDR also discussed the role of ATSDR and the development of its MLR for PFAS.

5. EPA is working with USGS and NHDES to develop a scope of work for a site-specific model for groundwater flow in bedrock.

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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
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From: Hull, Richard  
Sent: Thursday, August 23, 2018 4:53 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: RE: Coakley Update - 8/8/18

Hi Bryan. Sorry I'm just getting to this now, but here is an update on the Coakely issues we provided on August 8.

Updated August 23, 2018

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1. The NHDES MtBE bureau began sampling of additional residential wells in Greenland, North Hampton and Rye this week.

2. EPA and NHDES met with Kim McNamara on August 23, along with a consultant for the City of Portsmouth (b) (5)

. Kim will present to Bob Sullivan for the CLG to consider.

3. Fish tissue samples are being processed and results are expected in a few weeks.

4. On August 14, CLG submitted results of sampling of stormwater collected from the landfill cap retention pond discharge and subsurface collection system. CES, consultant for CLG, concluded that the data was showing that materials used to construct the cap may be contributing PFAS to stormwater runoff, which discharges to Berrys Brook. EPA prepared and issued a response on August 17, asking for additional sampling and investigation of cap construction to be performed. EPA asked for a workplan to be submitted in 15 days.

Sorry again for this being late. Let me know if you have any questions, although I am off tomorrow but back on Monday.

Skip

Richard W. Hull, Project Manager  
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OSRR07-1  
Boston, MA 02109-3912  
Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Hull, Richard  
Sent: Wednesday, August 08, 2018 1:19 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: RE: Coakley Update - 8/8/18

I just heard from the PRP's consultant that the results from the analysis of fish tissue samples will be provided by the end of August.

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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Cianciarulo, Robert  
Sent: Wednesday, August 08, 2018 12:39 PM  
To: Hull, Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>>  
Subject: RE: Coakley Update - 8/8/18

Bryan – see below. If Skip gets any more on the fish in time for your meeting this afternoon, he can update it, otherwise we'll do it in a subsequent update.

Our proposal is to have Skip do an update like this for you every two weeks so you have it for Alex and your HQ check-ins.

From: Hull, Richard  
Sent: Wednesday, August 08, 2018 12:34 PM  
To: Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>>  
Subject: Coakley Update - 8/8/18

Here's the revised update. I ran in to Bryan and he was looking for this for a meeting with Alex this afternoon. I tried to get more details on fish sample analysis and results, but haven't heard back from PRPs who are checking with lab.

Updated August 8, 2018

An June 4, 2018, the Regional Administrator met with Jillian Lane of Greenland Safe Water Action, and other members of the community who live near the Coakley Landfill. At that meeting, Jillian presented the RA with a petition signed by 135 concerned citizens that requested action be taken to address issues related to PFAS contamination at the Coakley Landfill and the local community. On July 3, 2018, the RA responded to that petition with action items addressing the issues outlined in the petition. Below is an update of the actions being taken to address those, and other issues:

1. Issue: The petition outlined concerns related to residential wells that are impacted by PFAS contamination and asked for access to a safe water supply and expanded residential well sampling.

Status: To date, all residential wells sampled remain below the HA of 70 ppt for PFOA and PFOS. On August 6, EPA mailed letters to 20 residents in Greenland, North Hampton and Rye offering sampling of tap water and analysis for PFAS. These residents had previously requested sampling, including a number that requested sampling during the June 4 community meeting with Alex Dunn. Beginning a few days

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after the mailing, the NHDES MtBE bureau will begin contacting the residents to schedule sampling. Samples will be shipped to OEME for analysis of PFAS.

2. Issue: EPA committed to working with the USGS to better define the local hydrogeology and flow patterns to better characterize the potential for the flow of PFAS contamination to local residents.

Status: OSRTI has provided funding to the region for this task and OSRR has initiated an Interagency Agreement with USGS to develop a model to evaluate site-specific hydrogeologic flow conditions at and around Coakley Landfill. USGS submitted a draft work plan and budget estimate, and OSRR has provided comments. Depending on the USGS internal review process, the IA will be finalized and work will begin by the start of FY19.

3. Issue: The petition asked that EPA compel the CLG to install effective remediation to address PFAS contamination.

Status: EPA and NHDES met with the City of Portsmouth's health officer, Kim McNamara, to discuss voluntary measures that the City and/or CLG can undertake to alleviate the impacts to residents near Coakley Landfill. Kim had reached out to both EPA and NHDES looking for suggestions. Suggested measures include providing point-of-use water supply filtration systems, extending a municipal water supply line, expand residential well sampling, and maintenance and treatment of impacted surface water. Kim will convene a meeting in mid-August to discuss these issues in more detail.

4. Other Issues: Bedrock investigation continues with installation of three deep-bedrock wells and the completion of geophysical surveying the week of July 30. Geophysics data will be used to identify water-bearing fractures for sampling beginning in August. Existing bedrock wells have been inventoried and geophysics and sampling will also be performed on those wells determined to be viable.

5. Other Issues: Fish samples have been collected from Berrys Brook and have been processed and analyzed. EPA is awaiting analytical results which will be submitted following the laboratory data validation and review process.

6. Other Issues: CLG is developing a work plan for assessing impacts of the discharge of runoff from the surface of the landfill cap to surface water receptors to identify potential PFAS contributions that may exist beyond landfill leachate. This work plan will be submitted Sept.-Oct.

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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>



updated.txt

(617) 918-1882

<image2018-10-11-095733.pdf>;

From: Olson, Bryan

Sent: Tuesday, August 14, 2018 3:20 PM

To: Taylor, Melissa; Murphy, Jim; Hull, Richard; Cianciarulo, Robert

Cc: Dumville, Kelsey

Subject: RE: NHPR story on Coakley

At the end of the radio interview, it says there will be part 2  
&#8220;tomorrow&#8221;.

From: Taylor, Melissa

Sent: Tuesday, August 14, 2018 3:09 PM

To: Murphy, Jim <Murphy.Jim@epa.gov>; Olson, Bryan

<Olson.Bryan@epa.gov>; Hull, Richard <Hull.Richard@epa.gov>;

Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>;

Cc: Dumville, Kelsey <Dumville.Kelsey@epa.gov>;

Subject: RE: NHPR story on Coakley

I don't believe anyone has been interviewed for this story. It's  
interesting that the majority of the article is pro-resident until the last  
sentence. Is there any reason to believe there is a second segment to this story?

From: Murphy, Jim

Sent: Tuesday, August 14, 2018 2:08 PM

To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>; Hull,  
Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>; Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>;

Cc: Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>;

Subject: RE: NHPR story on Coakley

I think the last time anyone saw Annie was at the PFAS conference, other than the  
Shaheen visit to Pease where Annie did not mention Coakley other than asking if  
there was work currently in progress. I told her that HQ was working on the items  
mentioned at the conference and that the region was working the bedrock study with  
the state & CLG.

Jim Murphy

Team Leader, Government Relations & Community Involvement

Office of the Regional Administrator / Public Affairs

U.S. Environmental Protection Agency, Region 1 &#8211; New England

5 Post Office Square, Mail Code ORA01-1

Boston, MA 02109

Phone: 617-918-1028

Cell: 617-721-2868

updated.txt

murphy.jim@epa.gov<mailto:murphy.jim@epa.gov>

From: Olson, Bryan  
Sent: Tuesday, August 14, 2018 2:04 PM  
To: Hull, Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>&gt;; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>&gt;; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>&gt;;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>&gt;; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>&gt;;  
Subject: RE: NHPR story on Coakley

It sounds like part 2 may be rougher. Have we been interviewed? Bryan

From: Hull, Richard  
Sent: Tuesday, August 14, 2018 10:52 AM  
To: Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>&gt;; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>&gt;; Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>&gt;;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>&gt;; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>&gt;;  
Subject: FW: NHPR story on Coakley

FYI &#8211; pretty comprehensive story

Richard W. Hull, Project Manager  
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Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Hoffman, Andrew [mailto:Andrew.Hoffman@des.nh.gov]  
Sent: Tuesday, August 14, 2018 10:30 AM  
To: Hull, Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>&gt;; Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>&gt;;  
Subject: NHPR story on Coakley

<http://www.nhpr.org/post/coakley-landfill-site-government-assurances-meet-public-fear#stream/0>

Andrew Hoffman, P.E.  
New Hampshire Department of Environmental Services  
Waste Management Division  
Hazardous Waste Remediation Bureau  
29 Hazen Drive, P.O. Box 95  
Concord, NH 03302  
(603) 271-6778

updated.txt

Andrew.Hoffman@des.nh.gov<mailto:Andrew.Hoffman@des.nh.gov>

From: Olson, Bryan  
Sent: Tuesday, August 14, 2018 2:04 PM  
To: Hull, Richard; Taylor, Melissa; Cianciarulo, Robert  
Cc: Murphy, Jim; Dumville, Kelsey  
Subject: RE: NHPR story on Coakley

It sounds like part 2 may be rougher. Have we been interviewed? Bryan

From: Hull, Richard  
Sent: Tuesday, August 14, 2018 10:52 AM  
To: Taylor, Melissa <Taylor.Melissag@epa.gov>; Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov>; Olson, Bryan <Olson.Bryan@epa.gov>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>; Dumville, Kelsey  
<Dumville.Kelsey@epa.gov>;  
Subject: FW: NHPR story on Coakley

FYI &#8211; pretty comprehensive story

Richard W. Hull, Project Manager  
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OSRR07-1  
Boston, MA 02109-3912  
Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

From: Hoffman, Andrew [mailto:Andrew.Hoffman@des.nh.gov]  
Sent: Tuesday, August 14, 2018 10:30 AM  
To: Hull, Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>; Murphy,  
Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>;  
Subject: NHPR story on Coakley

<http://www.nhpr.org/post/coakley-landfill-site-government-assurances-meet-public-fear#stream/0>

Andrew Hoffman, P.E.  
New Hampshire Department of Environmental Services  
Waste Management Division  
Hazardous Waste Remediation Bureau  
29 Hazen Drive, P.O. Box 95  
Concord, NH 03302  
(603) 271-6778  
Andrew.Hoffman@des.nh.gov<mailto:Andrew.Hoffman@des.nh.gov>

From: Olson, Bryan  
Sent: Thursday, July 05, 2018 12:00 PM

updated.txt

To: Dunn, Alexandra; Gutro, Doug; Hull, Richard; Dumville, Kelsey; Senn, John  
Subject: One more  
Attachments: IMG\_0170.JPG; ATT00001.txt

From: Olson, Bryan  
Sent: Thursday, July 05, 2018 11:59 AM  
To: Dunn, Alexandra; Dumville, Kelsey; Senn, John; Gutro, Doug; Hull, Richard

Sent from my iPhone

From: Olson, Bryan  
Sent: Thursday, July 05, 2018 11:57 AM  
To: Dunn, Alexandra; Dumville, Kelsey; Senn, John; Gutro, Doug; Hull, Richard  
Subject: Today's Visit

Sent from my iPhone

From: Olson, Bryan  
Sent: Monday, July 02, 2018 1:34 PM  
To: Dumville, Kelsey  
Subject: You can work with Skip on the call this afternoon and please let me know how it goes

From: Olson, Bryan  
Sent: Monday, July 02, 2018 1:33 PM  
To: Dumville, Kelsey; Dunn, Alexandra; Taylor, Melissa; Hull, Richard; Murphy, Jim; Cianciarulo, Robert  
Cc: Gutro, Doug; Lindsay, Jane  
Subject: RE: Senator Hassan Coakley visit request

We should try to get the Jillian Lane letter out before Thursday. Before sending it, we need to run it by Steven Cooke and Erin Chancellor at HQ, and probably should show DES. Bryan

updated.txt

From: Dumville, Kelsey  
Sent: Monday, July 02, 2018 1:08 PM  
To: Dunn, Alexandra <dunn.alexandra@epa.gov>; Olson, Bryan <Olson.Bryan@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>; Hull, Richard <Hull.Richard@epa.gov>; Murphy, Jim <Murphy.Jim@epa.gov>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>;  
Cc: Gutro, Doug <Gutro.Doug@epa.gov>; Lindsay, Jane <lindsay.jane@epa.gov>;  
Subject: RE: Senator Hassan Coakley visit request

Hi Everyone,

Senator Hassan's staff suggested 9am on Thursday. I am planning to talk with them this afternoon about logistics and specifics for the tour, I will follow up when that call is scheduled. DES will also be participating in the tour.

Thank you,  
Kelsey

Kelsey (O&#8217;Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226

From: Dumville, Kelsey  
Sent: Monday, July 02, 2018 9:17 AM  
To: Dunn, Alexandra <dunn.alexandra@epa.gov<mailto:dunn.alexandra@epa.gov>>; Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Hull, Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>; Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>;  
Cc: Gutro, Doug <Gutro.Doug@epa.gov<mailto:Gutro.Doug@epa.gov>>;  
Subject: Senator Hassan Coakley visit request

Good Morning,

Senator Hassan's staff reached out on Friday with a request to schedule a visit to the Coakley Landfill site with the Senator on Thursday, July 5th. The Senator has about an hour for a site tour and discussion with EPA. The tour would be with the Senator and staff, EPA, and DES, off the record, no press or public. She has time between 8:30-10:30am. I understand Doug may raise this in this morning's Office Directors meeting, we can follow up after that depending on availability and interest.

Below is text from a letter sent from Senator Hassan and Senator Shaheen to

updated.txt

Administrator Pruitt on Friday for your awareness.

Thank you,  
Kelsey

June 29, 2018

The Honorable Scott Pruitt  
Administrator  
Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

Dear Administrator Pruitt:

We write today to thank the Environmental Protection Agency (EPA) for hosting the first per- and polyfluoroalkyl substances (PFAS) community engagement event in Exeter, New Hampshire.

Granite Staters have been national leaders in advocating for the health and safety of their families and neighbors, and this productive forum was an important first step in ensuring that communities impacted by PFAS contamination have a seat at the table and an opportunity for their voices to be heard. We are hopeful that the EPA will take the concerns and recommendations that were raised by community leaders, as well as state and local officials, to help inform future meaningful federal action on these chemicals. This includes advancing conversations and solutions that consider the entire class of PFAS chemicals.

As you know, PFAS contamination in drinking water is an issue not only in our home state of New Hampshire, but across the country. It is critical for the EPA to take immediate action to protect citizens from further contamination and ensure that responsible parties are held liable for addressing any resulting health and safety concerns.

In order to address this problem, the EPA has said it is beginning the necessary steps to propose designating PFOA and PFOS as hazardous substances; through one of the available statutory mechanisms, including potentially Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 102. By doing so, PFAS will be covered under the EPA's CERCLA, and therefore require responsible parties to be held accountable for any future release. It is appropriate that the EPA evaluates the necessary steps for such a designation, which has support throughout communities affected by PFAS contamination, and we respectfully request additional information about the steps and timeline the EPA is taking to consider this proposal.

updated.txt

As EPA staff travels to other communities impacted by PFAS contamination, we encourage the agency to continue listening, and to not lose sight of the urgent need to move forward in protecting our citizens and our natural resources from these toxic chemicals. Hosting similar events in other regions of the country is important, but we hope that the agency will take action to address PFAS concurrently with future engagement events instead of waiting until they are all completed.

Thank you for your attention to this matter. We look forward to hearing more about what next steps the EPA will take to protect New Hampshire and our country from PFAS contamination.

Kelsey (O&#8217;Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226

From: Olson, Bryan  
Sent: Monday, July 02, 2018 12:02 PM  
To: Dumville, Kelsey  
Subject: RE: Senator Hassan Coakley visit request

After 9 am would be helpful.

From: Dumville, Kelsey  
Sent: Monday, July 02, 2018 11:20 AM  
To: Olson, Bryan & Olson.Bryan@epa.gov  
Subject: FW: Senator Hassan Coakley visit request

Hi Bryan,

I spoke with Doug and he told me that Alex would like to make the trip to Coakley and you could join her. Is there a time between 8:30-10:30 on Thursday that would work best for you?

Thanks,  
Kelsey

Kelsey (O&#8217;Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226

From: Dumville, Kelsey  
Sent: Monday, July 02, 2018 9:17 AM

updated.txt

To: Dunn, Alexandra <dunn.alexandra@epa.gov<mailto:dunn.alexandra@epa.gov>>; Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Hull, Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>; Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>;  
Cc: Gutro, Doug <Gutro.Doug@epa.gov<mailto:Gutro.Doug@epa.gov>>;  
Subject: Senator Hassan Coakley visit request

Good Morning,

Senator Hassan's staff reached out on Friday with a request to schedule a visit to the Coakley Landfill site with the Senator on Thursday, July 5th. The Senator has about an hour for a site tour and discussion with EPA. The tour would be with the Senator and staff, EPA, and DES, off the record, no press or public. She has time between 8:30-10:30am. I understand Doug may raise this in this morning's Office Directors meeting, we can follow up after that depending on availability and interest.

Below is text from a letter sent from Senator Hassan and Senator Shaheen to Administrator Pruitt on Friday for your awareness.

Thank you,  
Kelsey

June 29, 2018

The Honorable Scott Pruitt  
Administrator  
Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460

Dear Administrator Pruitt:

We write today to thank the Environmental Protection Agency (EPA) for hosting the first per- and polyfluoroalkyl substances (PFAS) community engagement event in Exeter, New Hampshire.

Granite Staters have been national leaders in advocating for the health and safety of their families and neighbors, and this productive forum was an important first step in ensuring that communities impacted by PFAS contamination have a seat at the table and an opportunity for their voices to be heard. We are hopeful that the EPA will take the concerns and recommendations that were raised by community leaders, as well as state and local officials, to help inform future meaningful federal action



updated.txt

on these chemicals. This includes advancing conversations and solutions that consider the entire class of PFAS chemicals.

As you know, PFAS contamination in drinking water is an issue not only in our home state of New Hampshire, but across the country. It is critical for the EPA to take immediate action to protect citizens from further contamination and ensure that responsible parties are held liable for addressing any resulting health and safety concerns.

In order to address this problem, the EPA has said it is beginning the necessary steps to propose designating PFOA and PFOS as hazardous substances; through one of the available statutory mechanisms, including potentially Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 102. By doing so, PFAS will be covered under the EPA's CERCLA, and therefore require responsible parties to be held accountable for any future release. It is appropriate that the EPA evaluates the necessary steps for such a designation, which has support throughout communities affected by PFAS contamination, and we respectfully request additional information about the steps and timeline the EPA is taking to consider this proposal.

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Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226

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updated.txt

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Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226

From: Dumville, Kelsey  
Sent: Monday, July 02, 2018 9:17 AM  
To: Dunn, Alexandra <dunn.alexandra@epa.gov>; Olson, Bryan  
<Olson.Bryan@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>; Hull,  
Richard <Hull.Richard@epa.gov>; Murphy, Jim <Murphy.Jim@epa.gov>;  
Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>;  
Cc: Gutro, Doug <Gutro.Doug@epa.gov>;  
Subject: Senator Hassan Coakley visit request

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Environmental Protection Agency  
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Washington, DC 20460

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updated.txt

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Thank you for your attention to this matter. We look forward to hearing more about what next steps the EPA will take to protect New Hampshire and our country from PFAS contamination.

Kelsey (O&N) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003

updated.txt

Cell: 857-998-0226

From: Dumville, Kelsey  
Sent: Monday, July 02, 2018 9:17 AM  
To: Dunn, Alexandra; Olson, Bryan; Taylor, Melissa; Hull, Richard; Murphy, Jim; Cianciarulo, Robert  
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Good Morning,

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Kelsey (Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226

From: Dumville, Kelsey  
Sent: Thursday, May 24, 2018 12:13 PM  
To: Olson, Bryan  
Subject: Re: Coakley planning

Got it, thanks for the update!

Kelsey Dumville

updated.txt

Public Affairs Office

Community Involvement Coordinator, Congressional Liaison

Office: 617-918-1003<tel:617-918-1003>

Cell: 857-998-0226<tel:857-998-0226>

On May 24, 2018, at 12:02 PM, Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>> wrote:

I am not supposed to be but I am on the invite. It was just changed.

From: Dumville, Kelsey  
Sent: Thursday, May 24, 2018 11:47 AM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>  
Subject: Re: Coakley planning

Ok I thought it was the RA call at 4:30 but that may have changed.

Thanks!

Kelsey Dumville

Public Affairs Office

Community Involvement Coordinator, Congressional Liaison

Office: 617-918-1003<tel:617-918-1003>

Cell: 857-998-0226<tel:857-998-0226>

On May 24, 2018, at 11:45 AM, Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>> wrote:

It looks like that call is now 5-5:45 pm that Alex needs to be on. Bryan

From: Dumville, Kelsey  
Sent: Thursday, May 24, 2018 11:43 AM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>; Hull, Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>  
Subject: Coakley planning

Hi everyone,

updated.txt

I just talked to Jane Lindsay and wanted to touch base regarding the planning for June 4th at Coakley. Alex will have to take a call from 4:30-5:15 that day. I assume that the HQ folks will be able to continue through depending on where we are with the schedule but wanted to share that with you as the planning comes together.

Thank you,  
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Sent: Thursday, May 24, 2018 11:43 AM

To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>; Taylor,

updated.txt

Melissa <Taylor.Melissag@epa.govmailto:Taylor.Melissag@epa.gov>; Hull,  
Richard <Hull.Richard@epa.govmailto:Hull.Richard@epa.gov>; Cianciarulo,  
Robert <Cianciarulo.Bob@epa.govmailto:Cianciarulo.Bob@epa.gov>;  
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Kelsey Dumville

Public Affairs Office

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Office: 617-918-1003<tel:617-918-1003>

Cell: 857-998-0226<tel:857-998-0226>

From: Dumville, Kelsey

Sent: Thursday, May 24, 2018 11:43 AM

To: Olson, Bryan; Taylor, Melissa; Hull, Richard; Cianciarulo, Robert

Subject: Coakley planning

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Thank you,  
Kelsey

Kelsey Dumville

Public Affairs Office

Community Involvement Coordinator, Congressional Liaison



updated.txt

Office: 617-918-1003<tel:617-918-1003>

Cell: 857-998-0226<tel:857-998-0226>

From: Olson, Bryan  
Sent: Monday, May 21, 2018 3:37 PM  
To: Murphy, Jim; Hull, Richard  
Cc: Dumville, Kelsey  
Subject: RE: EPA visit

Please make sure she knows that if this date doesn't work, we will work with her to come up with another time. Not her fault they only have one day they can do this.  
Bryan

From: Murphy, Jim  
Sent: Monday, May 21, 2018 3:34 PM  
To: Hull, Richard <Hull.Richard@epa.gov>;  
Cc: Dumville, Kelsey <Dumville.Kelsey@epa.gov>; Olson, Bryan  
<Olson.Bryan@epa.gov>;  
Subject: Re: EPA visit

Great if you can take this on Skip. I ' m buried with family stuff. Kelsey can help if necessary. Thanks all.

Sent from my iPhone

On May 21, 2018, at 3:02 PM, Hull, Richard  
<Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>; wrote:

Hi Jillian,

I've just learned that Alex Dunn, Regional Administrator here in EPA Region 1, and Stephen Cook from EPA HQ's Office of Land and Emergency Management (OLEM) want to follow-through on Albert Kelly's promise to visit Coakley. As of now, the visit is tentatively scheduled for the afternoon of June 4.

Can I give you a call to discuss your availability and the format of a meeting?

Regards,  
Skip

Richard W. Hull, Project Manager  
USEPA New England, Region 1  
5 Post Office Square, Suite 100  
OSRR07-1  
Boston, MA 02109-3912  
Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

updated.txt

From: Olson, Bryan  
Sent: Thursday, May 03, 2018 9:45 AM  
To: Gutro, Doug; Dunn, Alexandra  
Cc: Murphy, Jim; Dumville, Kelsey  
Subject: RE: Visit to NH's Coakley Superfund Site

Steven is the political deputy in OLEM.

From: Gutro, Doug  
Sent: Thursday, May 03, 2018 8:56 AM  
To: Dunn, Alexandra <dunn.alexandra@epa.gov>;  
Cc: Olson, Bryan <Olson.Bryan@epa.gov>; Murphy, Jim  
<Murphy.Jim@epa.gov>; Dumville, Kelsey <Dumville.Kelsey@epa.gov>;  
Subject: Re: Visit to NH's Coakley Superfund Site

Agreed. I don't know Steven cook

Sent from my iPhone

On May 3, 2018, at 8:45 AM, Dunn, Alexandra  
<dunn.alexandra@epa.gov<mailto:dunn.alexandra@epa.gov>> wrote:

We need to communicate that we can handle this meeting with someone from HQ. Prob  
Steven cook. Who i am calling about New Bedford

Sent from my iPhone  
Alexandra Dapolito Dunn, J.D. , Regional Administrator  
Region 1 New England. This email is for official EPA business only and may be  
subject to disclosure under the Freedom of information Act

On May 3, 2018, at 8:19 AM, Gutro, Doug  
<Gutro.Doug@epa.gov<mailto:Gutro.Doug@epa.gov>> wrote:

Sent from my iPhone

Begin forwarded message:

From: "Grantham, Nancy"  
<Grantham.Nancy@epa.gov<mailto:Grantham.Nancy@epa.gov>>  
Date: May 3, 2018 at 8:17:29 AM EDT  
To: "Levine, Carolyn"  
<Levine.Carolyn@epa.gov<mailto:Levine.Carolyn@epa.gov>>  
Cc: "Richardson, RobinH"  
<Richardson.RobinH@epa.gov<mailto:Richardson.RobinH@epa.gov>>, "Gutro,  
Doug" <Gutro.Doug@epa.gov<mailto:Gutro.Doug@epa.gov>>  
Subject: RE: Visit to NH's Coakley Superfund Site

Looping doug

updated.txt

Nancy Grantham  
Office of Public Affairs  
US Environmental Protection Agency  
202-564-6879 (desk)  
202-253-7056 (mobile)

From: Levine, Carolyn  
Sent: Thursday, May 03, 2018 7:46 AM  
To: Grantham, Nancy <Grantham.Nancy@epa.govmailto:Grantham.Nancy@epa.gov>&gt;  
Cc: Richardson, RobinH  
<Richardson.RobinH@epa.govmailto:Richardson.RobinH@epa.gov>&gt;  
Subject: Re: Visit to NH's Coakley Superfund Site

Thanks, yes definitely the region, but wanted to ID HQ first to address the request.

Thank you!

-----  
Carolyn Levine  
Office of Congressional and  
Intergovernmental Relations  
U.S. EPA  
(202) 564-1859<tel:(202)%20564-1859>  
levine.carolyn@epa.gov<mailto:levine.carolyn@epa.gov>

On May 3, 2018, at 7:40 AM, Grantham, Nancy  
<Grantham.Nancy@epa.govmailto:Grantham.Nancy@epa.gov>&gt; wrote:

Do we want to loop in the region?

Nancy Grantham  
Office of Public Affairs  
US Environmental Protection Agency  
202-564-6879 (desk)  
202-253-7056 (mobile)

From: Richardson, RobinH  
Sent: Thursday, May 03, 2018 7:36 AM  
To: Levine, Carolyn <Levine.Carolyn@epa.govmailto:Levine.Carolyn@epa.gov>&gt;  
Cc: Grantham, Nancy <Grantham.Nancy@epa.govmailto:Grantham.Nancy@epa.gov>&gt;  
Subject: Re: Visit to NH's Coakley Superfund Site

Hi Carolyn - Yes, that's a good idea to at least make her aware as it's determined who will replace Kell. We may also want to let Ken know. Between the two we can make sure the request is covered. Sound good? Thank you for flagging! Robin

updated.txt

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Robin H Richardson  
PDAA/OCIR  
202-564-3358 (desk)  
703-581-5814 (cell)  
richardson.robinh@epa.gov<mailto:richardson.robinh@epa.gov>

On May 2, 2018, at 5:36 PM, Levine, Carolyn  
<Levine.Carolyn@epa.gov<mailto:Levine.Carolyn@epa.gov>> wrote:

Hi,  
See request below. Should I check with Veronica?

-----

Carolyn Levine  
Office of Congressional and  
Intergovernmental Relations  
U.S. EPA  
(202) 564-1859  
levine.carolyn@epa.gov<mailto:levine.carolyn@epa.gov>

From: Klasen, Matthew  
Sent: Wednesday, May 02, 2018 5:30 PM  
To: Levine, Carolyn <Levine.Carolyn@epa.gov<mailto:Levine.Carolyn@epa.gov>>  
Subject: Fw: Visit to NH's Coakley Superfund Site

Hey Carolyn -- presumably I should send this one your team's way. Sound good? (I can reply to Ariel and copy you or others on your team if that works?)

Thanks,

Matt

-----

Matt Klasen  
U.S Environmental Protection Agency  
Office of Congressional Affairs  
WJC North 3443P  
202-566-0780  
cell (202) 505-0787

---

From: Marshall, Ariel (Shaheen)  
<Ariel\_Marshall@shaheen.senate.gov<mailto:Ariel\_Marshall@shaheen.senate.gov>>  
Sent: Wednesday, May 2, 2018 1:15 PM

updated.txt

To: Klasen, Matthew  
Cc: Holmes, Sarah (Shaheen)  
Subject: Visit to NH's Coakley Superfund Site

Hi Matt,

On April 19th, one of our constituents, Jillian Lane, had a meeting with Albert Kelly about various health and safety issues New Hampshire communities near the Coakley Superfund site are experiencing. I understand that, during this meeting, Mr. Kelly told Ms. Lane that he was planning to visit the site sometime in May:  
<http://www.seacoastonline.com/news/20180427/greenland-activist-superfund-chairman-to-visit-coakley>

Since this meeting, Mr. Kelly has resigned; however, I hope that we can get a similar commitment from someone else on the Superfund Task Force. In addition to hazardous chemicals, monitoring wells at Coakley have detected 1,4-dioxane at levels above the EPA's health advisory level and PFOS levels as high as 1,108 ppt. We would appreciate a similar level of attention from Mr. Kelly's interim replacement and hope a visit can be scheduled in the near future.

Please let us know if we can be helpful with regards to this visit.

Many thanks,  
Ariel

Ariel Marshall, Ph.D.  
Senior Domestic Policy Advisor  
Office of U.S. Senator Jeanne Shaheen  
506 Hart Senate Office Building  
Washington, DC 20510  
Tel. 202/224-2841

<image001.png><<http://shaheen.senate.gov/>>  
<image002.png><<http://www.facebook.com/senatorshaheen>>  
<image003.png><<http://twitter.com/senatorshaheen>>  
<image004.png><<http://www.youtube.com/user/senatorshaheen>>

From: Dumville, Kelsey  
Sent: Friday, April 06, 2018 12:03 PM  
To: Olson, Bryan  
Subject: RE: Coakley Clips

Might not be a bad idea. I'll share that with Jim.

Kelsey (O'Neill) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003

updated.txt

Cell: 857-998-0226

From: Olson, Bryan  
Sent: Friday, April 06, 2018 11:35 AM  
To: Dumville, Kelsey <Dumville.Kelsey@epa.gov>;  
Subject: RE: Coakley Clips

Wow. Maybe we should take a trip up to visit with them.

From: Dumville, Kelsey  
Sent: Friday, April 06, 2018 11:34 AM  
To: Olson, Bryan <Olson.Bryan@epa.gov><mailto:Olson.Bryan@epa.gov>;  
Subject: RE: Coakley Clips

I believe it is.

Kelsey (O&#8217;Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226

From: Olson, Bryan  
Sent: Friday, April 06, 2018 11:23 AM  
To: Dumville, Kelsey <Dumville.Kelsey@epa.gov><mailto:Dumville.Kelsey@epa.gov>;  
Subject: RE: Coakley Clips

Is the first one an editorial?

From: Dumville, Kelsey  
Sent: Friday, April 06, 2018 11:03 AM  
To: Gutro, Doug <Gutro.Doug@epa.gov><mailto:Gutro.Doug@epa.gov>;; Dunn, Alexandra <dunn.alexandra@epa.gov><mailto:dunn.alexandra@epa.gov>;; Szaro, Deb <Szaro.Deb@epa.gov><mailto:Szaro.Deb@epa.gov>;  
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Subject: Coakley Clips

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Posted at 8:13 AM Updated at 8:13 AM

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To: Dumville, Kelsey  
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EPA and DES officials stressed Thursday night that the deep bedrock study that they have ordered the CLG to conduct will help to determine where the contaminants in water leaving the site could flow to.

Mark S. Gearreald, the town attorney for Hampton, appeared at Thursday&#8217;s meeting and told regulators that Hampton and North Hampton had hired University of New Hampshire professor Tom Ballestero to study water flow from the landfill.

Ballestero, who he described as a &#8220;nationally recognized hydrologist,&#8221; determined that water migration from the landfill &#8220;has pathways where it can travel to the south and to the east.&#8221;

&#8220;We have contamination of PFCs in our wells in Hampton and North Hampton that serve the drinking water supplies, public water supplies of Hampton, North Hampton and two Rye water districts,&#8221; the attorney said. &#8220;We&#8217;re looking for protection here and it sounds like what we&#8217;re getting is maybes.&#8221;

Kelsey (O&#8217;Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226

From: Olson, Bryan  
Sent: Friday, April 06, 2018 11:23 AM  
To: Dumville, Kelsey  
Subject: RE: Coakley Clips

Is the first one an editorial?

From: Dumville, Kelsey  
Sent: Friday, April 06, 2018 11:03 AM  
To: Gutro, Doug <Gutro.Doug@epa.gov>; Dunn, Alexandra <dunn.alexandra@epa.gov>; Szaro, Deb <Szaro.Deb@epa.gov>;  
Cc: Murphy, Jim <Murphy.Jim@epa.gov>; Olson, Bryan <Olson.Bryan@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>; Hull, Richard <Hull.Richard@epa.gov>;  
Subject: Coakley Clips

<http://www.seacoastonline.com/news/20180406/coakley-fox-is-guarding-henhouse>

Coakley: Fox is guarding the henhouse

Posted at 8:13 AM Updated at 8:13 AM

The overdue release of Coakley Landfill Group documents shed more light on the troubling approach to remediating this toxic dump from virtually day one and the city of Portsmouth is right in the middle of it.

A remediation reduced to natural attenuation (allowing toxins to seep into the ground) has done virtually nothing to protect the environment and humans from this Superfund cleanup site. The CLG's successful lobbying of the EPA to drop the pump-and-treat system requirement is one of the many missteps by all parties involved.

Furthermore, the consent decree, which let the federal government off the hook at a cost of \$5.25 million, was woefully short-sighted as it did not account for the likelihood of emerging contaminants of concern. This was proven by the detection of potentially carcinogenic 1,4-dioxane and PFCs in recent years.

The Air Force is today paying for a pump-and-treat system to cleanup PFCs in contaminated groundwater at the former Pease Air Force Base, the same chemicals impacting ground and surface water around Coakley.

There is no other way to describe the handling of the Coakley cleanup than as mismanagement arising from putting the polluters in charge of the cleanup. Think fox in charge of the henhouse.

The CLG almost immediately sought to drop the pump-and-treat system. The CLG fired IT Corp., which it hired to install the cap, then sued the company. Facing a certain loss in court, the CLG settled with IT Corp. at a cost of millions of dollars to fulfill the contract and pay legal fees.

The CLG is essentially the city of Portsmouth with its city attorney as de facto head of the organization created to administer the remediation. Decisions to reduce the cost of the cleanup benefitted the city and its taxpayers at a cost to the environment. Portsmouth is responsible for 53.6 percent of all costs of the remediation and continues to lead the effort that will stretch into the 2030s, and likely beyond. Now, the city's taxpayers are footing the bill for lobbyists and consultants to continue the failed remediation of Coakley.

The conflict of interest is the city balancing its payment for the cleanup against a true remediation. So far, that balance has tipped too far in favor of saving money over saving the environment and protecting public health.

No matter how much the city attorney, city manager, environmental planner and city councilors try to spin it, the remediation of Coakley is a disaster. This follows the disaster of operations while the dump was open. This, among many other ways, was

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evidenced in CLG documents that showed the discovery of at least 14 drums of pathological waste (human or animal body parts, organs and tissue) during preparations for capping the dump. The waste was such a threat it had to be removed from the landfill and disposed of off-site, according to CLG documents.

Monitoring wells at the landfill found 1,4-dioxane at levels above the EPA's health advisory level and PFOS levels as high as 1,108 parts per trillion. The health advisory is 70 ppt. Tests in Berry's Brook near the landfill found PFAS nearly three times higher than the health advisory level.

And you think the remediation is working?

The problem is not going away and the responsible parties already face a rather large bill. The CLG cannot escape this bill with delays and lobbyists. The CLG owes the federal government more than \$5 million for not installing the pump-and-treat system at the landfill and it continues to grow by the day.

It is clear the city of Portsmouth must be removed from any management role in the remediation. Ending that conflict of interest appears to be the only way to achieve a true remediation of a highly toxic site leaching dangerous chemicals into ground and surface water.

<<http://myprofile.seacoastonline.com/>>

<http://www.seacoastonline.com/news/20180405/residents-frustrated-by-status-quo-at-coakley-landfill>

\*Nice shot of Skip if you go to the link!

Residents frustrated by status quo at Coakley landfill

By Jeff McMenemy<<mailto:jmcmenemy@seacoastonline.com>>

[jmcmenemy@seacoastonline.com](mailto:jmcmenemy@seacoastonline.com)<<mailto:jmcmenemy@seacoastonline.com>>

Posted Apr 5, 2018 at 11:13 PM Updated at 6:50 AM

GREENLAND - More than 100 people turned out Thursday night for a meeting about the toxic Coakley landfill hosted by state and federal regulators.

But they left the meeting at Bethany Church - with its parking lot next to the Superfund cleanup site - without any new plans to either clean up the landfill or provide municipal water to the families living around it.

Several people expressed frustration that neither the Environmental Protection Agency nor the N.H. Department of Environmental Services - which hosted the meeting - had forced the Coakley Landfill Group (CLG) to clean up Berry's Brook, which is adjacent to the landfill.

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Monitoring wells at the landfill in North Hampton and Greenland found 1,4-dioxane at levels above the EPA's health advisory level and PFOS levels as high as 1,108 parts per trillion. Both chemicals are suspected carcinogens.

The health advisory is 70 ppt.

Tests in Berry's Brook near the landfill found levels of PFAS chemicals in surface water nearly three times higher than the health advisory level for groundwater.

State Rep. Mike Edgar, D-Hampton, referenced a letter written by Michael Wimsatt, director of the DES Waste Management Division in July 2017 to a group of Seacoast lawmakers.

In the letter, Wimsatt pointed to the contaminated Berry's Brook and said "actions need to be implemented at the site to provide additional removal or containment of the contamination in order to mitigate these surface water quality impacts."

Edgar then asked him if the agency's opinion about how the contamination in the brook should be addressed has changed.

Wimsatt, who attended Thursday's meeting, said the "agency's position is the same."

"We believe that it would be best, it would be most prudent to (implement) some kind of active remedy there to improve the water quality in Berry's Brook," Wimsatt said. "We did ask the CLG if they would consider that shortly after the letter was issued, and they declined to participate in doing anything."

He then added that if the agency was in a position to compel the CLG to clean-up the brook, "we would do that."

But he acknowledged the agency does not have the legal authority to force the CLG to clean up the brook.

The CLG is composed of and funded by municipalities and companies that used the landfill or brought waste there.

The group is responsible for paying to clean up the site. The city of Portsmouth -and by extension Portsmouth taxpayers - bears the biggest share of the remediation costs at 53.6 percent.

Residents living around the landfill are worried that chemicals leaching from the landfill will eventually contaminate their wells and threaten the health of their families.



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But so far levels of PFAS chemicals found in residential wells have been below the health advisory.

State Rep. Renny Cushing, D-Hampton, seemed to speak for many Thursday night when to applause he told the regulators that he was "trying to figure out who's running the show here."

He explained that Portsmouth City Attorney Robert Sullivan - who also serves as the head of the CLG's executive committee - testified recently before a legislative commission that "it was the EPA's idea to tell us we didn't have to install a pump and treatment system at the landfill."

Cushing was referring to a change made to the original remedy in 1999, which had required the CLG to install a pump and treat system on the landfill to treat contaminated groundwater.

The Portsmouth Herald reported last week that the CLG began lobbying the Department of Justice, the EPA and its Congressional delegation to drop that requirement as early as 1995.

The EPA in 1999 - after consulting with N.H. DES - agreed to the change.

Cushing then noted that the EPA does not now believe a pump and treat system is required for Berry's Brook and asked "was that the position that the Coakley Landfill Group told you you were supposed to take?"

"I don't see the EPA protecting the public in this. I think the Coakley Landfill Group is running the show," Cushing said. "It's time to change that."

Until Sullivan released some documents last week relating to the CLG, which proved the group had lobbied to drop the system, Sullivan had said he didn't remember if the group had pushed the EPA for the change.

Sullivan did not attend Thursday's meeting.

EPA spokesman Jim Murphy replied that EPA "made the decision that the pump and treat was not necessary."

If they had installed the system back in the 1990s, he said, it would "have no impact on removing the contaminants we're concerned about now."

"You can blame it on the EPA (and say) we let them get away with it," Murphy added. "That's not how we viewed it."

EPA and DES officials stressed Thursday night that the deep bedrock study that they have ordered the CLG to conduct will help to determine where the contaminants in

updated.txt

water leaving the site could flow to.

Mark S. Gearreald, the town attorney for Hampton, appeared at Thursday's meeting and told regulators that Hampton and North Hampton had hired University of New Hampshire professor Tom Ballestero to study water flow from the landfill.

Ballestero, who he described as a nationally recognized hydrologist, determined that water migration from the landfill has pathways where it can travel to the south and to the east;

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Kelsey (O&Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226

From: Olson, Bryan  
Sent: Tuesday, April 03, 2018 8:19 PM  
To: Hull, Richard  
Cc: Taylor, Melissa; Murphy, Jim; Dumville, Kelsey  
Subject: Re: slides for April 5 Coakley public meeting

I think we should (b) (5)



Sent from my iPhone

On Apr 3, 2018, at 4:51 PM, Hull, Richard  
<Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>> wrote:

Attached are slides that I developed in consultation with DES. Drew Hoffman and I have gone back and forth a few times refining the presentation and we will both present different sections. Note that there are a number of slides at the end, following the "contacts" slide. These are held in reserve for discussion in the case that specific questions arise.

Let me know if you have any questions, comments or suggested edits and I will revise accordingly.

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Thanks,  
Skip

Richard W. Hull, Project Manager  
USEPA New England, Region 1  
5 Post Office Square, Suite 100  
OSRR07-1  
Boston, MA 02109-3912  
Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>  
(617) 918-1882

<Coakley Apr 5 2018 Public Meeting v3.pptx>  
From: Dumville, Kelsey  
Sent: Thursday, March 22, 2018 6:52 AM  
To: Olson, Bryan; Hull, Richard; Taylor, Melissa; Cianciarulo, Robert; Murphy, Jim  
Subject: Coakley Call w/delegation staff

Hi All,

I just changed the time to 2:15. I am hoping we can gather before the call with the delegation, which is at 2:30z

Thanks!  
Kelsey

Coakley Call w/delegation staff  
Scheduled: Thursday, Mar 22, 2018 from 2:15 PM to 2:45 PM  
Location: Mt. Kathadin 1st floor  
Invitees: Olson, Bryan?, Hull, Richard?, Taylor, Melissa?, Cianciarulo, Robert?, Murphy, Jim

Kelsey Dumville

Public Affairs Office

Community Involvement Coordinator, Congressional Liaison

Office: 617-918-1003<tel:617-918-1003>

Cell: 857-998-0226<tel:857-998-0226>

From: Olson, Bryan

updated.txt

Sent: Monday, March 19, 2018 4:10 PM  
To: Dumville, Kelsey; Hull, Richard; Murphy, Jim  
Cc: Taylor, Melissa; Cianciarulo, Robert  
Subject: RE: Coakley briefing call with NH Delegation staff

I can probably do it either day. Bryan

From: Dumville, Kelsey  
Sent: Monday, March 19, 2018 3:00 PM  
To: Hull, Richard <Hull.Richard@epa.gov>; Murphy, Jim  
<Murphy.Jim@epa.gov>;  
Cc: Olson, Bryan <Olson.Bryan@epa.gov>; Taylor, Melissa  
<Taylor.Melissag@epa.gov>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>;  
Subject: Coakley briefing call with NH Delegation staff

Hi all,

I would like to set up a call this week to brief the NH delegation staff on Coakley in advance of the Task Force meeting on the 26th. I will check with the staff, but would look to hold the call on Thursday or Friday. I spoke with Jim and would like to have he and Skip on the call given that they are participating in the meeting.

Thanks,  
Kelsey

Kelsey (O&#8217;Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226

From: Dumville, Kelsey  
Sent: Tuesday, February 27, 2018 11:39 AM  
To: Olson, Bryan  
Cc: St. Fleur, Marilyn; Barmakian, Nancy  
Subject: RE: Coakley Weekly Note

Hi Bryan,

I'm happy to put together a note after the meeting tomorrow.

Thanks,  
Kelsey

Kelsey (O'Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003

updated.txt

Cell: 857-998-0226

-----Original Message-----

From: Olson, Bryan  
Sent: Tuesday, February 27, 2018 11:04 AM  
To: Dumville, Kelsey <Dumville.Kelsey@epa.gov>  
Cc: St. Fleur, Marilyn <StFleur.Marilyn@epa.gov>; Barmakian, Nancy <Barmakian.Nancy@epa.gov>  
Subject: Coakley Weekly Note

Kelsey,  
Deb and Alex asked us to put together a note for the Thursday weekly notes on our meeting with the congressionals. Would you mind taking the lead on that since it will need to get done shortly after the meeting tomorrow?  
Thank you, Bryan

Sent from my iPhone  
From: Olson, Bryan  
Sent: Tuesday, February 27, 2018 11:04 AM  
To: Dumville, Kelsey  
Cc: St. Fleur, Marilyn; Barmakian, Nancy  
Subject: Coakley Weekly Note

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Deb and Alex asked us to put together a note for the Thursday weekly notes on our meeting with the congressionals. Would you mind taking the lead on that since it will need to get done shortly after the meeting tomorrow?  
Thank you, Bryan

Sent from my iPhone  
From: Olson, Bryan  
Sent: Tuesday, February 27, 2018 10:59 AM  
To: Hull, Richard  
Cc: Dumville, Kelsey; Murphy, Jim; Cianciarulo, Robert; Taylor, Melissa  
Subject: Re: Coakley meeting details

Pushed send too soon. They live near the highway (b) (6) if we want to leave cars there.

Sent from my iPhone

> On Feb 27, 2018, at 10:46 AM, Olson, Bryan <Olson.Bryan@epa.gov> wrote:  
>  
> I might meet you in Woburn, especially if Melissa is doing the same. My parents live  
>  
> Sent from my iPhone  
>

updated.txt

>> On Feb 27, 2018, at 10:09 AM, Hull, Richard <Hull.Richard@epa.gov> wrote:  
>>  
>> I'll be leaving from the office via GOV if anybody wants a ride. I can also  
leave early enough to pick anybody up along the way. It looks like about 1 hr 20  
mins with traffic, so probably leave the office by 8:15 unless we are stopping to  
pick somebody up, then a bit earlier.  
>>  
>> Here are the figures I plan to have on hand for discussion. The last conceptual  
figure is for the purpose of explaining the circuitous flow through bedrock.  
>>  
>>  
>> Richard W. Hull, Project Manager  
>> USEPA New England, Region 1  
>> 5 Post Office Square, Suite 100  
>> OSRR07-1  
>> Boston, MA 02109-3912  
>> Hull.Richard@epa.gov  
>> (617) 918-1882  
>>  
>> From: Dumville, Kelsey  
>> Sent: Tuesday, February 27, 2018 10:00 AM  
>> To: Murphy, Jim <Murphy.Jim@epa.gov>; Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov>; Olson, Bryan <Olson.Bryan@epa.gov>; Taylor, Melissa  
<Taylor.Melissag@epa.gov>; Hull, Richard <Hull.Richard@epa.gov>  
>> Subject: Coakley meeting details  
>>  
>> Good morning,  
>>  
>> Here is the location of tomorrow's meeting with the NH delegation staff. The  
meeting is at 10am, I believe there is plenty of street parking. If you have any  
questions, please let me know.  
>>  
>> Thanks,  
>> Kelsey  
>>  
>>  
>> Governor Hassan's Manchester office  
>> 1589 Elm Street  
>> Third Floor  
>> Manchester, NH 03101  
>> (603) 622-2204  
>>  
>>  
>>  
>> Kelsey (O'Neil) Dumville  
>> Public Affairs Office  
>> Community Involvement Coordinator, Congressional Liaison  
>> Office: 617-918-1003

updated.txt

>> Cell: 857-998-0226

>>

>> <Hassan briefing Feb 28 2018.pdf>

From: Olson, Bryan

Sent: Tuesday, February 27, 2018 10:46 AM

To: Hull, Richard

Cc: Dumville, Kelsey; Murphy, Jim; Cianciarulo, Robert; Taylor, Melissa

Subject: Re: Coakley meeting details

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Sent from my iPhone

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>

>

> Richard W. Hull, Project Manager

> USEPA New England, Region 1

> 5 Post Office Square, Suite 100

> OSRR07-1

> Boston, MA 02109-3912

> Hull.Richard@epa.gov

> (617) 918-1882

>

> From: Dumville, Kelsey

> Sent: Tuesday, February 27, 2018 10:00 AM

> To: Murphy, Jim <Murphy.Jim@epa.gov>; Cianciarulo, Robert

<Cianciarulo.Bob@epa.gov>; Olson, Bryan <Olson.Bryan@epa.gov>; Taylor, Melissa

<Taylor.Melissag@epa.gov>; Hull, Richard <Hull.Richard@epa.gov>

> Subject: Coakley meeting details

>

> Good morning,

>

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>

> Thanks,

> Kelsey

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>  
>  
> Governor Hassan's Manchester office  
> 1589 Elm Street  
> Third Floor  
> Manchester, NH 03101  
> (603) 622-2204  
>  
>  
>  
> Kelsey (O'Neil) Dumville  
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> Office: 617-918-1003  
> Cell: 857-998-0226  
>  
> <Hassan briefing Feb 28 2018.pdf>  
From: Olson, Bryan  
Sent: Thursday, February 22, 2018 11:01 AM  
To: Dumville, Kelsey  
Cc: Murphy, Jim; Hull, Richard; Taylor, Melissa; Millan-Ramos, Gerardo  
Subject: Re: Coakley Public Meeting

I can do the 5th or 12th. RCRA DDs meeting is in DC on 17th and 18th.

Sent from my iPhone

On Feb 22, 2018, at 10:45 AM, Dumville, Kelsey  
<Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>> wrote:

Hi all,

We are looking to schedule a public meeting on Coakley in the beginning of April at the Bethany Church. The space is available on the 5th, 12th, and 17th. Could you let me know what dates you would be available for a meeting? When we narrow it down, we can check in with NHDES and the CLG.

Thank you,  
Kelsey

Kelsey (O'Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226



updated.txt

From: Dumville, Kelsey  
Sent: Friday, February 09, 2018 12:34 PM  
To: Olson, Bryan  
Subject: Coakley mtg 2/28

Hi Bryan &#8211; Alex is pretty booked in the office on the 28th so a trip to NH would not fit in. If she wants to be at the meeting, we can certainly find another date.

Thanks,  
Kelsey

Kelsey (O&#8217;Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226

From: Dumville, Kelsey  
Sent: Thursday, February 08, 2018 4:20 PM  
To: Taylor, Melissa; Olson, Bryan; Hull, Richard  
Subject: RE: EPA Update/Briefing on Coakley Landfill site

OK great we will aim for the 28th in the morning. I will suggest 10am to the staff to give enough time for travel.

Kelsey (O'Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226

From: Taylor, Melissa  
Sent: Thursday, February 08, 2018 4:03 PM  
To: Dumville, Kelsey <Dumville.Kelsey@epa.gov>; Olson, Bryan <Olson.Bryan@epa.gov>; Hull, Richard <Hull.Richard@epa.gov>  
Subject: RE: EPA Update/Briefing on Coakley Landfill site

I'm on vacation school break which is the week of the 19th, so I'm not available on the 21st. The 28th I'm wide open.

From: Dumville, Kelsey  
Sent: Thursday, February 08, 2018 3:12 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>; Hull, Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>  
Subject: Fwd: EPA Update/Briefing on Coakley Landfill site

updated.txt

Hi All,

We are hoping to schedule a briefing for the NH delegation staff on Coakley. Please let me know your preference on dates, it looks like to morning if the 21st or 28th work for all, I have a slight preference to the 21st but your schedules will drive the date.

Thank you,  
Kelsey

Kelsey Dumville

Public Affairs Office

Community Involvement Coordinator, Congressional Liaison

Office: 617-918-1003<tel:617-918-1003>

Cell: 857-998-0226<tel:857-998-0226>

Begin forwarded message:

From: "Holmes, Kerry (Hassan)"  
<Kerry\_Holmes@hassan.senate.govmailto:Kerry\_Holmes@hassan.senate.gov>>  
Date: February 8, 2018 at 2:30:33 PM EST  
To: "'Dumville, Kelsey'"  
<Dumville.Kelsey@epa.govmailto:Dumville.Kelsey@epa.gov>>  
Subject: RE: EPA Update/Briefing on Coakley Landfill site

Hi Kelsey,

Both dates work for me - any time.

From: Holmes, Sarah (Shaheen)  
Sent: Thursday, February 8, 2018 1:36 PM  
To: 'Dumville, Kelsey'  
<Dumville.Kelsey@epa.govmailto:Dumville.Kelsey@epa.gov>>; Holmes, Kerry (Hassan)  
<Kerry\_Holmes@hassan.senate.govmailto:Kerry\_Holmes@hassan.senate.gov>>; patrick.carroll@mail.house.govmailto:patrick.carroll@mail.house.gov>  
Subject: RE: EPA Update/Briefing on Coakley Landfill site

Thanks, Kelsey - I can do either of those dates. AM is better for me if possible but could make PM work, preferably after 3pm.

From: Dumville, Kelsey [mailto:Dumville.Kelsey@epa.gov]  
Sent: Thursday, February 08, 2018 1:34 PM  
To: Holmes, Kerry (Hassan)

updated.txt

<Kerry\_Holmes@hassan.senate.gov<mailto:Kerry\_Holmes@hassan.senate.gov>>;

Holmes, Sarah (Shaheen)

<Sarah\_Holmes@shaheen.senate.gov<mailto:Sarah\_Holmes@shaheen.senate.gov>>;

patrick.carroll@mail.house.gov<mailto:patrick.carroll@mail.house.gov>

Subject: EPA Update/Briefing on Coakley Landfill site

Hi everyone,

I have spoken with you all over the last few weeks about the Coakley Landfill site and appreciate the time and attention you have paid it. Given the amount of interest and activity, our team thought it would be beneficial to meet with you and give a general briefing to update you all on the site. I spoke with Kerry this afternoon and Senator Hassan's office is happy to host a meeting in their office. Our team can be available on February 21st or 28th. Please let me know if either of those dates work for you, and if so what time you would prefer. If neither of these dates work, I will come back with some others.

Best,  
Kelsey

Kelsey (O'Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226

From: Dumville, Kelsey  
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Kelsey

Kelsey Dumville

Public Affairs Office

updated.txt

Community Involvement Coordinator, Congressional Liaison

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Cell: 857-998-0226<tel:857-998-0226>

Begin forwarded message:

From: &quot;Holmes, Kerry (Hassan)&quot;  
&lt;Kerry\_Holmes@hassan.senate.gov<mailto:Kerry\_Holmes@hassan.senate.gov>&gt;  
Date: February 8, 2018 at 2:30:33 PM EST  
To: &quot;'Dumville, Kelsey'&quot;  
&lt;Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>&gt;  
Subject: RE: EPA Update/Briefing on Coakley Landfill site

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Sent: Thursday, February 8, 2018 1:36 PM  
To: 'Dumville, Kelsey'  
&lt;Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>&gt;; Holmes, Kerry  
(Hassan)  
&lt;Kerry\_Holmes@hassan.senate.gov<mailto:Kerry\_Holmes@hassan.senate.gov>&gt;;  
patrick.carroll@mail.house.gov<mailto:patrick.carroll@mail.house.gov>  
Subject: RE: EPA Update/Briefing on Coakley Landfill site

Thanks, Kelsey - I can do either of those dates. AM is better for me if possible but could make PM work, preferably after 3pm.

From: Dumville, Kelsey [mailto:Dumville.Kelsey@epa.gov]  
Sent: Thursday, February 08, 2018 1:34 PM  
To: Holmes, Kerry (Hassan)  
&lt;Kerry\_Holmes@hassan.senate.gov<mailto:Kerry\_Holmes@hassan.senate.gov>&gt;;  
Holmes, Sarah (Shaheen)  
&lt;Sarah\_Holmes@shaheen.senate.gov<mailto:Sarah\_Holmes@shaheen.senate.gov>&gt;;  
patrick.carroll@mail.house.gov<mailto:patrick.carroll@mail.house.gov>  
Subject: EPA Update/Briefing on Coakley Landfill site

Hi everyone,

I have spoken with you all over the last few weeks about the Coakley Landfill site and appreciate the time and attention you have paid it. Given the amount of interest and activity, our team thought it would be beneficial to meet with you and give a general briefing to update you all on the site. I spoke with Kerry this

updated.txt

afternoon and Senator Hassan's office is happy to host a meeting in their office. Our team can be available on February 21st or 28th. Please let me know if either of those dates work for you, and if so what time you would prefer. If neither of these dates work, I will come back with some others.

Best,  
Kelsey

Kelsey (O'Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226

From: Olson, Bryan  
Sent: Wednesday, January 31, 2018 5:01 PM  
To: Cianciarulo, Robert; Deegan, Dave; Murphy, Jim; Hull, Richard; Taylor, Melissa  
Cc: Bender, Emily; Dumville, Kelsey; Gutro, Doug  
Subject: RE: DRAFT TPs for Alex call - Coakley

This looks great. (b) (5)

[REDACTED]

[REDACTED]

. Bryan

From: Cianciarulo, Robert  
Sent: Wednesday, January 31, 2018 3:49 PM  
To: Deegan, Dave <Deegan.Dave@epa.gov>; Murphy, Jim <Murphy.Jim@epa.gov>; Hull, Richard <Hull.Richard@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>; Olson, Bryan <Olson.Bryan@epa.gov>;  
Cc: Bender, Emily <Bender.Emily@epa.gov>; Dumville, Kelsey <Dumville.Kelsey@epa.gov>; Gutro, Doug <Gutro.Doug@epa.gov>;  
Subject: RE: DRAFT TPs for Alex call - Coakley

Thanks Dave, some minor edits from OSRR&#8230;

From: Deegan, Dave  
Sent: Wednesday, January 31, 2018 2:11 PM  
To: Murphy, Jim <Murphy.Jim@epa.gov>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>; Hull, Richard <Hull.Richard@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>; Olson, Bryan <Olson.Bryan@epa.gov>;  
Cc: Bender, Emily <Bender.Emily@epa.gov>; Dumville, Kelsey <Dumville.Kelsey@epa.gov>; Gutro, Doug <Gutro.Doug@epa.gov>; Deegan, Dave <Deegan.Dave@epa.gov>;

updated.txt

Subject: DRAFT TPs for Alex call - Coakley

Hi All,

Attached is my attempt at TPs for Alex's call with Senator Hassan. Please review and weigh in & I'm not sure if I've captured the right info or in the right order or level of detail.

Dave

~ ~ ~ ~ ~

Dave Deegan

U.S. EPA, New England Regional Office

Media Relations | Social Media | Web Content

phone: 617.918.1017 | mobile: 617.594.7068

email: deegan.dave@epa.gov<mailto:deegan.dave@epa.gov>

<<http://www.twitter.com/EPANewEngland>> <<http://www.facebook.com/EPARegion1>>

From: Olson, Bryan

Sent: Tuesday, January 30, 2018 3:37 PM

To: Cianciarulo, Robert

Cc: Taylor, Melissa; Gutro, Doug; Murphy, Jim; Dumville, Kelsey; Hull, Richard

Subject: Re: final draft Coakley congressional letter

I think that would be very helpful to give those specifics.

Sent from my iPhone

On Jan 30, 2018, at 2:38 PM, Cianciarulo, Robert

<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>> wrote:

(b) (5)



From: Olson, Bryan

Sent: Tuesday, January 30, 2018 2:30 PM

To: Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>

Cc: Cianciarulo, Robert

<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Gutro, Doug

<Gutro.Doug@epa.gov<mailto:Gutro.Doug@epa.gov>>; Murphy, Jim

<Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Dumville, Kelsey

<Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>>; Hull, Richard

<Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>>

Subject: Re: final draft Coakley congressional letter

updated.txt

(b) (5)

Sent from my iPhone

On Jan 30, 2018, at 2:12 PM, Taylor, Melissa  
<Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>&gt; wrote:

(b) (5)

From: Olson, Bryan  
Sent: Tuesday, January 30, 2018 2:10 PM  
To: Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>&gt;;  
Cc: Gutro, Doug <Gutro.Doug@epa.gov<mailto:Gutro.Doug@epa.gov>&gt;; Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>&gt;; Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>&gt;; Dumville, Kelsey <Dumville.Kelsey@epa.gov<mailto:Dumville.Kelsey@epa.gov>&gt;; Hull, Richard <Hull.Richard@epa.gov<mailto:Hull.Richard@epa.gov>&gt;;  
Subject: Re: final draft Coakley congressional letter

This looks great. I have one possible addition if it makes sense. (b) (5)

. Bryan

Sent from my iPhone

On Jan 30, 2018, at 1:49 PM, Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>&gt; wrote:

Bryan,  
Here's where we stand on the Coakley letter back to the congressional delegation.

(b) (5)

Let us know if you have edits or suggestions....

Bob C.

<Response to congressionals draft final Jan 30 2018.docx>&gt;

From: Olson, Bryan

Sent: Tuesday, January 30, 2018 2:30 PM

To: Taylor, Melissa

Cc: Cianciarulo, Robert; Gutro, Doug; Murphy, Jim; Dumville, Kelsey; Hull,

updated.txt

Hi Bryan,

Here is a copy of the letter, sent out on Monday to the Coakley email list.

Thanks,  
Kelsey

---

From: Dumville, Kelsey  
Sent: Monday, January 22, 2018 2:14 PM  
Subject: EPA Letter to Coakley Landfill Group

Hello,

Please see the attached letter from EPA to Peter Britz requesting a bedrock study relative to the Coakley Landfill site.

Best,  
Kelsey

Kelsey (O'Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226  
From: Dumville, Kelsey  
Sent: Friday, January 26, 2018 2:56 PM  
To: Olson, Bryan  
Subject: Fw: EPA Letter to Coakley Landfill Group  
Attachments: EPA letter requesting Bedrock Investigation.pdf

Hi Bryan,

Here is a copy of the letter, sent out on Monday to the Coakley email list.

Thanks,  
Kelsey



updated.txt

---

From: Dumville, Kelsey  
Sent: Monday, January 22, 2018 2:14 PM  
Subject: EPA Letter to Coakley Landfill Group

Hello,

Please see the attached letter from EPA to Peter Britz requesting a bedrock study relative to the Coakley Landfill site.

Best,  
Kelsey

Kelsey (O'Neil) Dumville  
Public Affairs Office  
Community Involvement Coordinator, Congressional Liaison  
Office: 617-918-1003  
Cell: 857-998-0226

From: Olson, Bryan  
Sent: Friday, January 27, 2017 11:49 AM  
To: Millan-Ramos, Gerardo; Robin Mongeon; Dumville, Kelsey; Hoffman, Andrew; Wimsatt, Mike; Murphy, Jim; Sugatt, Richard  
Cc: Taylor, Melissa; Cianciarulo, Robert; Martin, James  
Subject: RE: Coakley Landfill -- Presentation for public meeting on 01/26/2017

I want to second Gerardo's appreciation for the great work last night and your continued incredible effort on PFCs at this and other sites. Bryan

From: Millan-Ramos, Gerardo  
Sent: Friday, January 27, 2017 11:36 AM  
To: Robin Mongeon <Robin.Mongeon@des.nh.gov>; O'Neil, Kelsey <Oneil.Kelsey@epa.gov>; Hoffman, Andrew <Andrew.Hoffman@des.nh.gov>; Wimsatt, Mike <Michael.Wimsatt@des.nh.gov>; Murphy, Jim <Murphy.Jim@epa.gov>; Sugatt, Richard <Sugatt.Rick@epa.gov>;  
Cc: Taylor, Melissa <Taylor.Melissag@epa.gov>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>; Martin, James <James.Martin@des.nh.gov>; Olson, Bryan <Olson.Bryan@epa.gov>;  
Subject: RE: Coakley Landfill -- Presentation for public meeting on 01/26/2017

Thank you Robin. Once again I would like to thank you all at NHDES for the great support prior/during this meeting. Obviously we cannot control what the press says but we can ensure that we clearly communicate with the public in a coordinated fashion, and I think we achieved that last night.

Gerardo Millán-Ramos  
Remedial Project Manager  
Office of Site Remediation and Restoration

updated.txt

U.S. EPA - New England, Region 1

Tel. (617) 918-1377

E-fax: (617) 918-0377

E-mail: millan-ramos.gerardo@epa.gov<mailto:millan-ramos.gerardo@epa.gov>

From: Mongeon, Robin [mailto:Robin.Mongeon@des.nh.gov]

Sent: Friday, January 27, 2017 10:10 AM

To: O'Neil, Kelsey <Oneil.Kelsey@epa.gov<mailto:Oneil.Kelsey@epa.gov>>;

Millan-Ramos, Gerardo

<Millan-Ramos.Gerardo@epa.gov<mailto:Millan-Ramos.Gerardo@epa.gov>>; Hoffman, Andrew <Andrew.Hoffman@des.nh.gov<mailto:Andrew.Hoffman@des.nh.gov>>; Wimsatt, Mike <Michael.Wimsatt@des.nh.gov<mailto:Michael.Wimsatt@des.nh.gov>>; Murphy, Jim <Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; Sugatt, Richard <Sugatt.Rick@epa.gov<mailto:Sugatt.Rick@epa.gov>>;

Cc: Taylor, Melissa <Taylor.Melissag@epa.gov<mailto:Taylor.Melissag@epa.gov>>;

Cianciarulo, Robert <Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>;

Martin, James <James.Martin@des.nh.gov<mailto:James.Martin@des.nh.gov>>;

Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>;

Subject: RE: Coakley Landfill -- Presentation for public meeting on 01/26/2017

An article on last night's meeting

<http://www.seacoastonline.com/news/20170126/residents-push-epa-for-stricter-water-standards>

From: O'Neil, Kelsey [mailto:Oneil.Kelsey@epa.gov]

Sent: Thursday, January 26, 2017 7:52 AM

To: Millan-Ramos, Gerardo; Hoffman, Andrew; Mongeon, Robin; Wimsatt, Mike; Murphy, Jim; Sugatt, Richard

Cc: Taylor, Melissa; Cianciarulo, Robert

Subject: RE: Coakley Landfill -- Presentation for public meeting on 01/26/2017

Good morning,

I added a couple of bullets to the Community Involvement Slide. Attached is the updated version.

Thanks,  
Kelsey

Kelsey O'Neil

Congressional Liaison, Community Involvement Coordinator

oneil.kelsey@epa.gov<mailto:oneil.kelsey@epa.gov>

updated.txt

Office: 617-918-1003  
Cell: 857-998-0226

From: Millan-Ramos, Gerardo  
Sent: Wednesday, January 25, 2017 4:35 PM  
To: Hoffman, Andrew  
<Andrew.Hoffman@des.nh.govmailto:Andrew.Hoffman@des.nh.gov>; Robin Mongeon  
<Robin.Mongeon@des.nh.govmailto:Robin.Mongeon@des.nh.gov>; Wimsatt, Mike  
<Michael.Wimsatt@des.nh.govmailto:Michael.Wimsatt@des.nh.gov>; Murphy, Jim  
<Murphy.Jim@epa.govmailto:Murphy.Jim@epa.gov>; O'Neil, Kelsey  
<Oneil.Kelsey@epa.govmailto:Oneil.Kelsey@epa.gov>; Sugatt, Richard  
<Sugatt.Rick@epa.govmailto:Sugatt.Rick@epa.gov>;  
Cc: Taylor, Melissa <Taylor.Melissag@epa.govmailto:Taylor.Melissag@epa.gov>;  
Cianciarulo, Robert <Cianciarulo.Bob@epa.govmailto:Cianciarulo.Bob@epa.gov>;  
Subject: Coakley Landfill -- Presentation for public meeting on 01/26/2017

All, attached is the latest version of the presentation. I have incorporated all the changes we discussed plus inserted comments (talking points) for a few slides. There is a blank slide for Jim Murphy's part and I suggest that Mike Wimsatt add his slides about PFCs (basic info.) between slide 7 and slide 8.

Thank you.

Gerardo Millán-Ramos  
Remedial Project Manager  
Office of Site Remediation and Restoration  
U.S. EPA - New England, Region 1  
Tel. (617) 918-1377  
E-fax: (617) 918-0377  
E-mail: millan-ramos.gerardo@epa.govmailto:millan-ramos.gerardo@epa.gov

From: O'Neil, Kelsey  
Sent: Friday, January 27, 2017 10:30 AM  
To: Olson, Bryan; Millan-Ramos, Gerardo; Sugatt, Richard; Lindsay, Jane  
Cc: Gutro, Doug; Cianciarulo, Robert; Taylor, Melissa; Barmakian, Nancy; Murphy, Jim  
Subject: RE: Water Treatment

Hi Bryan and all,

I spoke with a few people as well about the options for filtering water in their homes, it also came up at the neighborhood meeting. We had a great number of people (60+) leave email addresses last night. I think if we could send out a community update in the next week or so with information on options for filtering water in their homes, that would be great.

I am happy to talk with Jim and coordinate with NHDES and work on some language.

updated.txt

Thanks,  
Kelsey

Kelsey O'Neil  
Congressional Liaison, Community Involvement Coordinator  
oneil.kelsey@epa.gov  
Office: 617-918-1003  
Cell: 857-998-0226

From: Olson, Bryan  
Sent: Friday, January 27, 2017 10:08 AM  
To: O'Neil, Kelsey <Oneil.Kelsey@epa.gov>; Millan-Ramos, Gerardo  
<Millan-Ramos.Gerardo@epa.gov>; Sugatt, Richard <Sugatt.Rick@epa.gov>;  
Lindsay, Jane <lindsay.jane@epa.gov>;  
Cc: Gutro, Doug <Gutro.Doug@epa.gov>; Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>;  
Barmakian, Nancy <Barmakian.Nancy@epa.gov>;  
Subject: Water Treatment

First, I want to thank everyone for doing such a great job last night at a pretty difficult meeting. Thanks to all of you, I thought it went really well.

Second, I do have one follow-up item. I talked to a person after the meeting who said she felt much more at ease after the meeting but had one request for us. She said she didn't realize that an individual homeowner could filter their own water inside their home. This would apply when the numbers are below 70 ppt but the homeowner decided that they didn't want to take any chances. I told her that we and/or DES could get some information back to the group. I knew that I had seen info on DES's website and found it this morning. I am attaching the information from DES's website, but we will need to come up with language about the fact that this is purely the homeowners choice. NH or VT may already have good language in this regard. In the end, I think the response should come from EPA but we can send the link to DES's website.

<http://www.des.nh.gov/organization/commissioner/documents/pfoa-inhome-treatment-20160518.pdf>

Please let me know if you need my help, and/or let me know once this info goes out. This will at least partially deal with the fact that some people prefer that we go to zero ppt at any cost, while there may be people who would be against us spending taxpayer dollars to always try to get to zero at our sites.

Thanks, Bryan  
From: Olson, Bryan  
Sent: Friday, January 27, 2017 10:28 AM  
Cc: Gutro, Doug; Dumville, Kelsey; Millan-Ramos, Gerardo; Murphy, Jim  
Subject: RE: Coakley- Applicable, Relevant and Appropriate Requirements

updated.txt

Sorry for the duplication to all of you. The first one had the wrong email address.

From: Olson, Bryan  
Sent: Friday, January 27, 2017 10:19 AM  
To: 'Renny.cushing@leg.nh.us' <Renny.cushing@leg.nh.us>;  
Cc: Gutro, Doug <Gutro.Doug@epa.gov>; O'Neil, Kelsey  
<Oneil.Kelsey@epa.gov>; Millan-Ramos, Gerardo  
<Millan-Ramos.Gerardo@epa.gov>; Jim Murphy <Murphy.Jim@epa.gov>;  
Subject: Coakley- Applicable, Relevant and Appropriate Requirements

Representative Cushing,

It was great to meet you last night. During our conversation after the meeting, you asked me about my statement that EPA would honor formal New Hampshire environmental standards at our Superfund sites. I promised to provide you with more detailed written information on that. Below is a link to the EPA website that has everything you would ever want to know about Applicable, Relevant and Appropriate Requirements (also known as ARARs). Please let me or my staff know if you have any further questions.

<https://www.epa.gov/superfund/applicable-or-relevant-and-appropriate-requirements-arars>

Thank you,

Bryan Olson, Director  
Office of Site Remediation and Restoration  
EPA New England

From: Olson, Bryan  
Sent: Friday, January 27, 2017 10:27 AM  
To: renny.cushing@leg.state.nh.us  
Cc: Gutro, Doug; Dumville, Kelsey; Millan-Ramos, Gerardo; Murphy, Jim  
Subject: RE: Coakley- Applicable, Relevant and Appropriate Requirements

Representative Cushing,

It was great to meet you last night. During our conversation after the meeting, you asked me about my statement that EPA would honor formal New Hampshire environmental standards at our Superfund sites. I promised to provide you with more detailed written information on that. Below is a link to the EPA website that has everything you would ever want to know about Applicable, Relevant and Appropriate Requirements (also known as ARARs). Please let me or my staff know if you have any further questions.

<https://www.epa.gov/superfund/applicable-or-relevant-and-appropriate-requirements-arars>

updated.txt

Thank you,

Bryan Olson, Director  
Office of Site Remediation and Restoration  
EPA New England

From: Olson, Bryan  
Sent: Friday, January 27, 2017 10:19 AM  
To: Renny.cushing@leg.nh.us  
Cc: Gutro, Doug; Dumville, Kelsey; Millan-Ramos, Gerardo; Murphy, Jim  
Subject: Coakley- Applicable, Relevant and Appropriate Requirements

Representative Cushing,

It was great to meet you last night. During our conversation after the meeting, you asked me about my statement that EPA would honor formal New Hampshire environmental standards at our Superfund sites. I promised to provide you with more detailed written information on that. Below is a link to the EPA website that has everything you would ever want to know about Applicable, Relevant and Appropriate Requirements (also known as ARARs). Please let me or my staff know if you have any further questions.

<https://www.epa.gov/superfund/applicable-or-relevant-and-appropriate-requirements-arars>

Thank you,

Bryan Olson, Director  
Office of Site Remediation and Restoration  
EPA New England

From: Olson, Bryan  
Sent: Friday, January 27, 2017 10:08 AM  
To: Dumville, Kelsey; Millan-Ramos, Gerardo; Sugatt, Richard; Lindsay, Jane  
Cc: Gutro, Doug; Cianciarulo, Robert; Taylor, Melissa; Barmakian, Nancy  
Subject: Water Treatment

First, I want to thank everyone for doing such a great job last night at a pretty difficult meeting. Thanks to all of you, I thought it went really well.

Second, I do have one follow-up item. I talked to a person after the meeting who said she felt much more at ease after the meeting but had one request for us. She said she didn't realize that an individual homeowner could filter their own water inside their home. This would apply when the numbers are below 70 ppt but the homeowner decided that they didn't want to take any chances. I told her that we and/or DES could get some information back to the group. I knew that I had seen info on DES's website and found it this morning. I am attaching the information from DES's website, but we will need to come up with language about the fact that this is purely the homeowners choice. NH or VT may already have good language in this regard. In the end, I think the response should come from EPA

updated.txt

but we can send the link to DES&#8217; website.

<http://www.des.nh.gov/organization/commissioner/documents/pfoa-inhome-treatment-20160518.pdf>

Please let me know if you need my help, and/or let me know once this info goes out. This will at least partially deal with the fact that some people prefer that we go to zero ppt at any cost, while there may be people who would be against us spending taxpayer dollars to always try to get to zero at our sites.

Thanks, Bryan

From: O'Neil, Kelsey

Sent: Friday, January 27, 2017 7:43 AM

To: Murphy, Jim; Olson, Bryan; Szaro, Deb; Gutro, Doug; Deegan, Dave; Barmakian, Nancy; Sugatt, Richard; Millan-Ramos, Gerardo; Cianciarulo, Robert; Taylor, Melissa

Subject: RE: Newsclip

Attachments: Jan 26 news clips.docx

Hi all - Here are some clips from last night's meeting. WMUR did a short clip on the link (what Jim sent below as well).

Thanks,  
Kelsey

Kelsey O'Neil

Congressional Liaison, Community Involvement Coordinator

oneil.kelsey@epa.gov

Office: 617-918-1003

Cell: 857-998-0226

From: Murphy, Jim

Sent: Friday, January 27, 2017 6:01 AM

To: Olson, Bryan <Olson.Bryan@epa.gov>; Szaro, Deb <Szaro.Deb@epa.gov>;

Gutro, Doug <Gutro.Doug@epa.gov>; Deegan, Dave <Deegan.Dave@epa.gov>;

Barmakian, Nancy <Barmakian.Nancy@epa.gov>; O'Neil, Kelsey

<Oneil.Kelsey@epa.gov>; Sugatt, Richard <Sugatt.Rick@epa.gov>;

Millan-Ramos, Gerardo <Millan-Ramos.Gerardo@epa.gov>; Cianciarulo, Robert

<Cianciarulo.Bob@epa.gov>;

Subject: Newsclip

[wmur.relaymedia.com](http://wmur.relaymedia.com)<<http://wmur.relaymedia.com>>

Sent from my iPhone

Subject: Coakley call with Sarah Holmes, Sen Shaheen

Location: Small RA's room

Start: Thu 12/8/2016 11:00 AM

End: Thu 12/8/2016 12:00 PM

updated.txt

Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: O'Neil, Kelsey

Required Attendees: Gutro, Doug; Murphy, Jim; Olson, Bryan; Millan-Ramos, Gerardo; Cianciarulo, Robert; Tagliaferro, Dean

We will plan to meet at 11 am internally and call Shaheen's office between 11:15-11:30.

Bryan - I understand you are on the road, we can plan to call you.

If anyone else needs to call in, please let me know.

Thank you!

From: Olson, Bryan

Sent: Thursday, December 08, 2016 10:09 AM

To: Dumville, Kelsey; Gutro, Doug; Murphy, Jim; Millan-Ramos, Gerardo; Cianciarulo, Robert; Tagliaferro, Dean

Subject: RE: Coakley call with Sarah Holmes, Sen Shaheen

I am here in the office

-----Original Appointment-----

From: O'Neil, Kelsey

Sent: Thursday, December 08, 2016 9:19 AM

To: Gutro, Doug; Murphy, Jim; Olson, Bryan; Millan-Ramos, Gerardo; Cianciarulo, Robert; Tagliaferro, Dean

Subject: Coakley call with Sarah Holmes, Sen Shaheen

When: Thursday, December 08, 2016 11:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).

Where: Jim's office

We will plan to meet at 11 am internally and call Shaheen's office between 11:15-11:30.

Bryan - I understand you are on the road, we can plan to call you.

If anyone else needs to call in, please let me know.

Thank you!

Subject: Coakley call with Sarah Holmes, Sen Shaheen



updated.txt

Location: Jim's office

Start: Thu 12/8/2016 11:00 AM

End: Thu 12/8/2016 12:00 PM

Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: O'Neil, Kelsey

Required Attendees: Gutro, Doug; Murphy, Jim; Olson, Bryan; Millan-Ramos, Gerardo; Cianciarulo, Robert; Tagliaferro, Dean

We will plan to meet at 11 am internally and call Shaheen's office between 11:15-11:30.

Bryan - I understand you are on the road, we can plan to call you.

If anyone else needs to call in, please let me know.

Thank you!

From: Olson, Bryan

Sent: Wednesday, December 07, 2016 6:16 PM

To: Dumville, Kelsey

Subject: Re: Request from CLF

I am available from 11-12.

Sent from my iPhone

On Dec 7, 2016, at 6:06 PM, O'Neil, Kelsey

<Oneil.Kelsey@epa.gov> wrote:

Hi all,

We have a call set up with Sarah tomorrow between 11-12. If there is a window in that timeframe that works best for everyone, it would be great to get on the call together.

Thank you!

Kelsey

Kelsey O'Neil

updated.txt

Public Affairs Specialist  
Office: 617-918-1003  
Cell: 857-998-0226

Begin forwarded message:

From: "Holmes, Sarah (Shaheen)"  
<Sarah\_Holmes@shaheen.senate.govmailto:Sarah\_Holmes@shaheen.senate.gov>;  
Date: December 7, 2016 at 2:08:45 PM EST  
To: "O'Neil, Kelsey"  
<Oneil.Kelsey@epa.govmailto:Oneil.Kelsey@epa.gov>;  
Subject: Request from CLF

Kelsey:

I had a call today from CLF who is requesting our assistance with putting together a meeting with EPA (they suggested either Curt or his deputy) and some concerned residents re: the Coakley landfill. They would ideally like to do this before the holiday. I didn't make any promises and just told him I would see what I could do.

Might this be an opportunity to get started with the community advisory group we had discussed on our call last week? I did not tell Tom about that but when he requested the meeting it seemed like this might be a good opportunity to kick that off. Let me know; they've got folks pretty worked up with this water sampling they did so the more accurate information we can get out there the better. I also heard from DES today that Jeff McMenemy from the Portsmouth Herald spent a good bit of time on the phone today with Drew Hoffman from DES to talk about that sampling and what it means (surface water vs. ground water etc.)

Thanks,  
Sarah

Sarah Holmes  
State Director  
Office of U.S. Senator Jeanne Shaheen  
2 Wall Street, 2nd Floor  
Manchester, NH 03101  
Phone| (603) 647-7500  
Fax| (603) 647-9352  
sarah\_holmes@shaheen.senate.govmailto:sarah\_holmes@shaheen.senate.gov

[Shaheen Report  
sign-up-button]<<http://shaheen.eneews.senate.gov/mail/util.cfm?mailaction=profile>>

updated.txt

- Think before you print.

THE INFORMATION IN THIS MESSAGE IS CONFIDENTIAL.

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From: O'Neil, Kelsey  
Sent: Wednesday, December 07, 2016 6:07 PM  
To: Olson, Bryan; Murphy, Jim; Gutro, Doug  
Subject: Fwd: Request from CLF

Hi all,

We have a call set up with Sarah tomorrow between 11-12. If there is a window in that timeframe that works best for everyone, it would be great to get on the call together.

Thank you!  
Kelsey

Kelsey O'Neil  
Public Affairs Specialist  
Office: 617-918-1003  
Cell: 857-998-0226

Begin forwarded message:

From: "Holmes, Sarah (Shaheen)"  
<Sarah\_Holmes@shaheen.senate.govmailto:Sarah\_Holmes@shaheen.senate.gov>  
Date: December 7, 2016 at 2:08:45 PM EST  
To: "O'Neil, Kelsey"  
<Oneil.Kelsey@epa.govmailto:Oneil.Kelsey@epa.gov>  
Subject: Request from CLF

Kelsey:

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I had a call today from CLF who is requesting our assistance with putting together a meeting with EPA (they suggested either Curt or his deputy) and some concerned residents re: the Coakley landfill. They would ideally like to do this before the holiday. I didn't make any promises and just told him I would see what I could do.

Might this be an opportunity to get started with the community advisory group we had discussed on our call last week? I did not tell Tom about that but when he requested the meeting it seemed like this might be a good opportunity to kick that off. Let me know if they've got folks pretty worked up with this water sampling they did so the more accurate information we can get out there the better. I also heard from DES today that Jeff McMenemy from the Portsmouth Herald spent a good bit of time on the phone today with Drew Hoffman from DES to talk about that sampling and what it means (surface water vs. ground water etc.)

Thanks,  
Sarah

Sarah Holmes  
State Director  
Office of U.S. Senator Jeanne Shaheen  
2 Wall Street, 2nd Floor  
Manchester, NH 03101  
Phone | (603) 647-7500  
Fax | (603) 647-9352  
sarah\_holmes@shaheen.senate.gov<mailto:sarah\_holmes@shaheen.senate.gov>

[Shaheen Report  
sign-up-button]<<http://shaheen.eneews.senate.gov/mail/util.cfm?mailaction=profile>>

- Think before you print.

THE INFORMATION IN THIS MESSAGE IS CONFIDENTIAL.

This message, including any attachments, contains confidential information intended for a specific individual and purpose. Please be aware that any other use, printing, copying, disclosure or dissemination of this information may undermine the confidential nature of the information. If you are not the intended recipient, you are not to read, disseminate or copy this e-mail or any accompanying attachments. Please immediately notify our office by telephone at (603) 647-7500 if you have received this document in error, and delete it from your system.

From: Olson, Bryan  
Sent: Thursday, December 01, 2016 3:19 PM  
To: Szaro, Deb; Deegan, Dave; Tagliaferro, Dean; Bender, Emily; Murphy, Jim; Dumville, Kelsey; Cianciarulo, Robert; Millan-Ramos, Gerardo; Johnson, Arthur; Cassidy, Meghan; Barmakian, Nancy

updated.txt

Cc: Spalding, Curt

Subject: Re: Final Review: Desk Statement\_Coakley\_12\_1\_16

My two cents... (b) (5)

Thanks, Bryan

From: Szaro, Deb

Sent: Thursday, December 1, 2016 2:58 PM

To: Deegan, Dave; Tagliaferro, Dean; Olson, Bryan; Bender, Emily; Murphy, Jim; O'Neil, Kelsey; Cianciarulo, Robert; Millan-Ramos, Gerardo; Johnson, Arthur;

Cassidy, Meghan; Barmakian, Nancy

Cc: Spalding, Curt

Subject: RE: Final Review: Desk Statement\_Coakley\_12\_1\_16

I'm OK with that but would like the program to weigh in.

From: Deegan, Dave

Sent: Thursday, December 01, 2016 2:56 PM

To: Szaro, Deb <Szaro.Deb@epa.gov>; Tagliaferro, Dean  
<Tagliaferro.Dean@epa.gov>; Olson, Bryan <Olson.Bryan@epa.gov>; Bender,  
Emily <Bender.Emily@epa.gov>; Murphy, Jim <Murphy.Jim@epa.gov>; O'Neil,  
Kelsey <Oneil.Kelsey@epa.gov>; Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov>; Millan-Ramos, Gerardo  
<Millan-Ramos.Gerardo@epa.gov>; Johnson, Arthur  
<Johnson.Arthur@epa.gov>; Cassidy, Meghan <Cassidy.Meghan@epa.gov>;  
Barmakian, Nancy <Barmakian.Nancy@epa.gov>;

Cc: Spalding, Curt <Spalding.Curt@epa.gov>

Subject: RE: Final Review: Desk Statement\_Coakley\_12\_1\_16

How about:

(b) (5)

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updated.txt

I defer to the program for language re. where sampling will occur.

Thanks!

Dave

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

Dave Deegan

U.S. EPA, New England Regional Office

Media Relations | Social Media | Web Content

phone: 617.918.1017 | mobile: 617.594.7068

email: deegan.dave@epa.gov<mailto:deegan.dave@epa.gov>

<<https://remoteworkplacedr.epa.gov/,DanaInfo=.awxyCx1o01n1Ko10+EPAnewengland>>

<<https://remoteworkplacedr.epa.gov/,DanaInfo=.awxyCjfiljxyvLp21+EPARegion1>>

From: Szaro, Deb

Sent: Thursday, December 01, 2016 2:46 PM

To: Deegan, Dave <Deegan.Dave@epa.gov<mailto:Deegan.Dave@epa.gov>>;  
Tagliaferro, Dean <Tagliaferro.Dean@epa.gov<mailto:Tagliaferro.Dean@epa.gov>>;  
Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>; Bender, Emily  
<Bender.Emily@epa.gov<mailto:Bender.Emily@epa.gov>>; Murphy, Jim  
<Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; O'Neil, Kelsey  
<Oneil.Kelsey@epa.gov<mailto:Oneil.Kelsey@epa.gov>>; Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Millan-Ramos,  
Gerardo <Millan-Ramos.Gerardo@epa.gov<mailto:Millan-Ramos.Gerardo@epa.gov>>;  
Johnson, Arthur <Johnson.Arthur@epa.gov<mailto:Johnson.Arthur@epa.gov>>;  
Cassidy, Meghan <Cassidy.Meghan@epa.gov<mailto:Cassidy.Meghan@epa.gov>>;  
Barmakian, Nancy <Barmakian.Nancy@epa.gov<mailto:Barmakian.Nancy@epa.gov>>;  
Cc: Spalding, Curt <Spalding.Curt@epa.gov<mailto:Spalding.Curt@epa.gov>>;  
Subject: RE: Final Review: Desk Statement\_Coakley\_12\_1\_16

(b) (5)

?

From: Deegan, Dave

Sent: Thursday, December 01, 2016 2:19 PM

To: Tagliaferro, Dean

<Tagliaferro.Dean@epa.gov<mailto:Tagliaferro.Dean@epa.gov>>; Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>; Bender, Emily  
<Bender.Emily@epa.gov<mailto:Bender.Emily@epa.gov>>; Murphy, Jim  
<Murphy.Jim@epa.gov<mailto:Murphy.Jim@epa.gov>>; O'Neil, Kelsey  
<Oneil.Kelsey@epa.gov<mailto:Oneil.Kelsey@epa.gov>>; Cianciarulo, Robert  
<Cianciarulo.Bob@epa.gov<mailto:Cianciarulo.Bob@epa.gov>>; Millan-Ramos,  
Gerardo <Millan-Ramos.Gerardo@epa.gov<mailto:Millan-Ramos.Gerardo@epa.gov>>;  
Johnson, Arthur <Johnson.Arthur@epa.gov<mailto:Johnson.Arthur@epa.gov>>;  
Cassidy, Meghan <Cassidy.Meghan@epa.gov<mailto:Cassidy.Meghan@epa.gov>>;  
Barmakian, Nancy <Barmakian.Nancy@epa.gov<mailto:Barmakian.Nancy@epa.gov>>;

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Cc: Spalding, Curt <Spalding.Curt@epa.govmailto:Spalding.Curt@epa.gov>; Szaro, Deb <Szaro.Deb@epa.govmailto:Szaro.Deb@epa.gov>; Deegan, Dave <Deegan.Dave@epa.govmailto:Deegan.Dave@epa.gov>;  
Subject: Final Review: Desk Statement\_Coakley\_12\_1\_16

Hi Everyone, Thanks for your quick assistance and input today.

Attached is a cleaned up version of DS that incorporates team comments - we just want to be sure this captures everything before Jim M. uses it as basis to reach out to homeowners, etc.

Please reply to me, Jim and Emily so we can be sure to capture anything else you might suggest.

Dave

~ ~ ~ ~ ~

Dave Deegan  
U.S. EPA, New England Regional Office  
Media Relations | Social Media | Web Content  
phone: 617.918.1017 | mobile: 617.594.7068  
email: deegan.dave@epa.govmailto:deegan.dave@epa.gov>  
<<https://remoteworkplacedr.epa.gov/,DanaInfo=.awxyCx1o01n1Ko10+EPAnewengland>>  
<<https://remoteworkplacedr.epa.gov/,DanaInfo=.awxyCjfiljxyvLp21+EPARegion1>>

From: Tagliaferro, Dean

Sent: Thursday, December 01, 2016 1:26 PM

To: Olson, Bryan <Olson.Bryan@epa.govmailto:Olson.Bryan@epa.gov>; Szaro, Deb <Szaro.Deb@epa.govmailto:Szaro.Deb@epa.gov>; Bender, Emily <Bender.Emily@epa.govmailto:Bender.Emily@epa.gov>; Murphy, Jim <Murphy.Jim@epa.govmailto:Murphy.Jim@epa.gov>; Deegan, Dave <Deegan.Dave@epa.govmailto:Deegan.Dave@epa.gov>; O'Neil, Kelsey <Oneil.Kelsey@epa.govmailto:Oneil.Kelsey@epa.gov>; Cianciarulo, Robert <Cianciarulo.Bob@epa.govmailto:Cianciarulo.Bob@epa.gov>; Millan-Ramos, Gerardo <Millan-Ramos.Gerardo@epa.govmailto:Millan-Ramos.Gerardo@epa.gov>; Johnson, Arthur <Johnson.Arthur@epa.govmailto:Johnson.Arthur@epa.gov>; Cassidy, Meghan <Cassidy.Meghan@epa.govmailto:Cassidy.Meghan@epa.gov>; Barmakian, Nancy <Barmakian.Nancy@epa.govmailto:Barmakian.Nancy@epa.gov>;  
Cc: Spalding, Curt <Spalding.Curt@epa.govmailto:Spalding.Curt@epa.gov>;  
Subject: RE: DRAFT Desk Statement\_Coakley\_12\_1\_16

In addition to the action items below, Jim Murphy has agreed to compile email addresses and contact information from requests for sampling that Gerardo has received (and from an existing data base of contacts). Once the plan for sampling is agreed upon, Jim can communicate to the residents in one email. This hopefully will result in a consistent message to property owners and free up some of Gerardo's time. Jim, you should coordinate with Gerardo so NH DES is aware of your outreach.

Also, from emails forwarded by Gerardo, it Looks like NH DES has already committed

updated.txt

to sampling anyone who asks.

From: Olson, Bryan

Sent: Thursday, December 01, 2016 12:56 PM

To: Szaro, Deb <Szaro.Deb@epa.gov>; Bender, Emily <Bender.Emily@epa.gov>; Murphy, Jim <Murphy.Jim@epa.gov>; Deegan, Dave <Deegan.Dave@epa.gov>; O'Neil, Kelsey <Oneil.Kelsey@epa.gov>; Cianciarulo, Robert <Cianciarulo.Bob@epa.gov>; Millan-Ramos, Gerardo <Millan-Ramos.Gerardo@epa.gov>; Johnson, Arthur <Johnson.Arthur@epa.gov>; Tagliaferro, Dean <Tagliaferro.Dean@epa.gov>; Cassidy, Meghan <Cassidy.Meghan@epa.gov>; Barmakian, Nancy <Barmakian.Nancy@epa.gov>;  
Cc: Spalding, Curt <Spalding.Curt@epa.gov>;  
Subject: RE: DRAFT Desk Statement\_Coakley\_12\_1\_16

Update on Coakley...

Thanks to Art's and his staff at the lab, I was able to make the call to Mike Wimsatt to offer our help in doing analysis of drinking water samples at Coakley. Mike was very interested in coordinating with us on some expedited sampling and analysis, and agrees that the schedule for the full sampling event that the PRPs are doing in February should not be altered. Mike is also on the same page as far as the relative risk based on the surface water result. He stated that they are telling people in other parts of the state that they are OK to shower and bath in similar levels of contamination, even though they are providing bottled water to those same people for drinking water purposes. As an aside, he also told me they now have a recommended soil cleanup level of 500 ppb. So far, they have not seen soil above 50 ppb in NH.

Next steps-

- Gerardo will coordinate with the lab and NH (Drew Hoffman) on a plan for sampling and analysis.
- Gerardo will provide OSRR comments to Emily on the desk statement. Bob C and I have already given our thoughts to Gerardo.
- Mike asked that Jim or Emily coordinate with Jim Martin on press statements once we resolve our version of the desk statement. Jim Martin has spoken to the Portsmouth Herald who may not even write an article based on the discussion between he and the reporter last night.

Thank you everyone. Bryan

From: Bender, Emily

Sent: Thursday, December 01, 2016 11:48 AM

To: Murphy, Jim <Murphy.Jim@epa.gov>; Deegan, Dave



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<Deegan.Dave@epa.govmailto:Deegan.Dave@epa.gov>; Olson, Bryan  
<Olson.Bryan@epa.govmailto:Olson.Bryan@epa.gov>; O'Neil, Kelsey  
<Oneil.Kelsey@epa.govmailto:Oneil.Kelsey@epa.gov>;  
Subject: DRAFT Desk Statement\_Coakley\_12\_1\_16

Hi All,

Here is the first cut of the Desk Statement. I'd love your initial feedback and comment before sending it to the larger group.

Thanks

Emily

Emily Bender  
Speechwriter and Public Affairs Specialist  
U.S. EPA New England  
5 Post Office Sq  
Boston, MA 02109  
Mail Code 01-3

Office: 617-918-1037  
Cell: 857-366-0397

From: Olson, Bryan  
Sent: Thursday, December 01, 2016 12:56 PM  
To: Szaro, Deb; Bender, Emily; Murphy, Jim; Deegan, Dave; Dumville, Kelsey; Cianciarulo, Robert; Millan-Ramos, Gerardo; Johnson, Arthur; Tagliaferro, Dean; Cassidy, Meghan; Barmakian, Nancy  
Cc: Spalding, Curt  
Subject: RE: DRAFT Desk Statement\_Coakley\_12\_1\_16

Update on Coakley's;

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Next steps-

.....

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plan for sampling and analysis.

..... Gerardo will provide OSRR comments to Emily on the desk statement. Bob C and I have already given our thoughts to Gerardo.

..... Mike asked that Jim or Emily coordinate with Jim Martin on press statements once we resolve our version of the desk statement. Jim Martin has spoken to the Portsmouth Herald who may not even write an article based on the discussion between he and the reporter last night.

Thank you everyone. Bryan

From: Bender, Emily

Sent: Thursday, December 01, 2016 11:48 AM

To: Murphy, Jim <Murphy.Jim@epa.gov>; Deegan, Dave <Deegan.Dave@epa.gov>; Olson, Bryan <Olson.Bryan@epa.gov>; O'Neil, Kelsey <Oneil.Kelsey@epa.gov>;

Subject: DRAFT Desk Statement\_Coakley\_12\_1\_16

Hi All,

Here is the first cut of the Desk Statement. I'd love your initial feedback and comment before sending it to the larger group.

Thanks

Emily

Emily Bender

Speechwriter and Public Affairs Specialist

U.S. EPA New England

5 Post Office Sq

Boston, MA 02109

Mail Code 01-3

Office: 617-918-1037

Cell: 857-366-0397

From: Olson, Bryan

Sent: Wednesday, November 30, 2016 5:57 PM

To: Bender, Emily

Cc: Gutro, Doug; Millan-Ramos, Gerardo; Murphy, Jim; Barmakian, Nancy; Spalding, Curt; Szaro, Deb; Dumville, Kelsey; Melanson, Kate; Deegan, Dave

Subject: Re: Coakley Story Today

I agree Emily. I am in DC but will be in the office by 9 tomorrow. We need to keep in mind that these levels are still extremely low when we are talking about anything but drinking water. Surface water exposure at these levels would not represent an unacceptable risk unless it was a drinking water supply. Bryan

updated.txt

Sent from my iPhone

On Nov 30, 2016, at 5:17 PM, Bender, Emily  
<Bender.Emily@epa.gov<mailto:Bender.Emily@epa.gov>> wrote:

I think we should anticipate press calls on this in the morning. I know the case team is planning to meet, and we can work to develop a statement.

Thanks for the heads up.

Emily

Sent from my iPhone

On Nov 30, 2016, at 5:10 PM, Gutro, Doug  
<Gutro.Doug@epa.gov<mailto:Gutro.Doug@epa.gov>> wrote:

<http://www.seacoastonline.com/news/20161130/pfcs-elevated-at-brook-near-coakley-land-fill-tests-show>

Doug Gutro  
Leader, Government & Community Relations Team  
US EPA  
5 Post Office Square Suite 100  
Boston MA 02109  
(617) 918-1021  
Fax (617) 918-0021

From: O'Neil, Kelsey  
Sent: Tuesday, April 19, 2016 5:19 PM  
To: Olson, Bryan; Lovely, William; Murphy, Jim; Daly, Michael; St. Fleur, Marilyn; Gutro, Doug  
Subject: Fwd: Additional letter to the EPA  
Attachments: 4 19 2016 letter to EPA.pdf; ATT00001.htm; Testing for Pease Letter.pdf; ATT00002.htm

Hi all,

Attached is another letter from Senator Ayotte to the Administrator, focused on Pease. Let me know if you have any questions, I imagine the region may be asked to

updated.txt

respond.

Thanks,  
Kelsey

Kelsey O'Neil  
Office: 617-918-1003  
Cell: 857-998-0226  
Email: ONeil.kelsey@epa.gov<mailto:ONeil.kelsey@epa.gov>

Begin forwarded message:

From: "Fitch, Bud (Ayotte)"  
<Bud\_Fitch@ayotte.senate.gov<mailto: Bud\_Fitch@ayotte.senate.gov>>  
To: "O'Neil, Kelsey"  
<Oneil.Kelsey@epa.gov<mailto: Oneil.Kelsey@epa.gov>>  
Cc: "Flanders, Matthew (Ayotte)"  
<Matthew\_Flanders@ayotte.senate.gov<mailto: Matthew\_Flanders@ayotte.senate.gov>>  
& "Keegan, Kelsey (Ayotte)"  
<Kelsey\_Keegan@ayotte.senate.gov<mailto: Kelsey\_Keegan@ayotte.senate.gov>>  
Subject: Additional letter to the EPA

Kelsey,  
The attached letter and attachment was sent out from our DC office today.

Thank you,

Bud Fitch

Orville B. &#8220;Bud&#8221; Fitch II  
Legal Counsel, Acting State Director  
U.S. Senator Kelly Ayotte &#8211; New Hampshire  
1200 Elm Street &#8211; Suite 2  
Manchester, New Hampshire 03101  
(603) 628-1010  
Fax (603) 622-0422  
bud\_fitch@ayotte.senate.gov<mailto: bud\_fitch@ayotte.senate.gov>

From: O'Neil, Kelsey  
Sent: Monday, April 18, 2016 1:26 PM  
To: Lovely, William; Olson, Bryan  
Cc: Gutro, Doug; Melanson, Kate

updated.txt

Subject: RE: EPA Congressional Staff Briefing April 19, 2016

Hi Everyone,

Congresswoman Kuster's office reached out to NHDES and Assistant Commissioner Clark Freise is available and planning to attend this meeting on Friday. They are planning on 11am and still working on a location. I will continue to send more details as I get them, but please let me know if this time works for you.

Thank you,  
Kelsey

Kelsey O'Neil  
Congressional Liaison, Community Involvement Coordinator  
oneil.kelsey@epa.gov  
Office: 617-918-1003  
Cell: 857-998-0226

From: Lovely, William  
Sent: Friday, April 15, 2016 4:47 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov>;  
Cc: O'Neil, Kelsey <Oneil.Kelsey@epa.gov>; Gutro, Doug  
<Gutro.Doug@epa.gov>; Melanson, Kate <Melanson.Kate@epa.gov>;  
Subject: Re: EPA Congressional Staff Briefing April 19, 2016

I can as well.

Sent from my iPhone

On Apr 15, 2016, at 2:59 PM, Olson, Bryan  
<Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>> wrote:

I can be available for a meeting.

Sent from my iPhone

On Apr 15, 2016, at 1:51 PM, O'Neil, Kelsey  
<Oneil.Kelsey@epa.gov<mailto:Oneil.Kelsey@epa.gov>> wrote:

Hi Everyone,

It sounds like there will likely be a meeting next Friday in Litchfield, NH with Congresswoman Kuster's office, the Town, and DES. The congresswoman's staff is still waiting to confirm that DES can attend, they will set a time a location when DES is confirmed. I spoke with HQ and they would like to have someone from OW on the phone for the meeting, Kuster's office is happy to set that up. Understanding that we have not yet done work in NH, role at this meeting for HQ will be to put the health advisories in context. I will be out of town and unable

updated.txt

to attend the meeting if it does take places next Friday.

Bryan and Bill &#8211; would you be available for a meeting on Friday? If there are others who should be involved, please let me know.

Thank you,  
Kelsey

Kelsey O'Neil  
Congressional Liaison, Community Involvement Coordinator  
oneil.kelsey@epa.gov<mailto:oneil.kelsey@epa.gov>  
Office: 617-918-1003  
Cell: 857-998-0226

From: O'Neil, Kelsey  
Sent: Wednesday, April 13, 2016 4:03 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov<mailto:Olson.Bryan@epa.gov>>; Lovely, William <Lovely.William@epa.gov<mailto:Lovely.William@epa.gov>>;  
Cc: Gutro, Doug <Gutro.Doug@epa.gov<mailto:Gutro.Doug@epa.gov>>; Melanson, Kate <Melanson.Kate@epa.gov<mailto:Melanson.Kate@epa.gov>>;  
Subject: FW: EPA Congressional Staff Briefing April 19, 2016

Hi Bryan and Bill,

I got a call an email today from Congresswoman Kuster&#8217;s office, requesting an in person briefing on PFOA with NHDES, EPA, and the Town of Litchfield. Doug spoke with Jim Martin in the Commissioner Burack&#8217;s office today to give them a heads up. We are coordinating with OCIR in HQ on next steps. It is not clear if the meeting next Friday will definitely take place, but we wanted to loop you in. I will keep you up to date on any additional details as they come in.

Thanks,  
Kelsey

From: Niazi, Aseebulla [mailto:Aseeb.Niazi@mail.house.gov]  
Sent: Wednesday, April 13, 2016 11:08 AM  
To: O'Neil, Kelsey <Oneil.Kelsey@epa.gov<mailto:Oneil.Kelsey@epa.gov>>;  
Subject: RE: EPA Congressional Staff Briefing April 19, 2016

Hi Kelsey,

Great talking with you! Essentially Congresswoman Kuster would love to have a briefing about the PFOA water contamination issue in Litchfield and other communities in southern NH. We were thinking it might be great for her to meet with someone from DES, EPA and the town to go over the latest updates on the situation. We are thinking next Friday (4/22). Let me know who is the best contact at DES to make something like this happen.

updated.txt

Thanks,  
Aseeb

From: O'Neil, Kelsey [mailto:Oneil.Kelsey@epa.gov]  
Sent: Wednesday, April 13, 2016 10:53 AM  
To: Niazi, Aseebulla  
Subject: Fwd: EPA Congressional Staff Briefing April 19, 2016

Hi Aseeb,

Thank you for the call today, it was nice talking with you! Below is the information about our congressional staff briefing on Tuesday, the 19th. Anyone from your staff is welcome to attend.

Best,  
Kelsey

Kelsey O'Neil  
Office: 617-918-1003  
Cell: 857-998-0226  
Email: ONeil.kelsey@epa.gov<mailto:ONeil.kelsey@epa.gov>

Begin forwarded message:

From: "O'Neil, Kelsey"  
<Oneil.Kelsey@epa.gov<mailto:Oneil.Kelsey@epa.gov>>  
Date: April 8, 2016 at 11:34:37 AM EDT  
To: "O'Neil, Kelsey"  
<Oneil.Kelsey@epa.gov<mailto:Oneil.Kelsey@epa.gov>>  
Subject: EPA Congressional Staff Briefing April 19, 2016

Good morning,

Below is the final agenda for the April 19th staff briefing in our Boston office, also attached to this email. In the afternoon, we will break out into states and have issue specific briefings. We will plan to discuss PFOA and MS4 during that time.

If you would like to schedule and district specific meetings during the lunch break or later in the afternoon, send me an email with the details and I will set up a meeting with the appropriate staff. If you have not RSVP'd yet, I would appreciate a quick email so we have an idea of the number of staff attending.

Please don't hesitate to call or email with any questions. We will likely be setting up a conference line and adobe connect if anyone from DC offices would like

updated.txt

to listen in. Thanks and have a great weekend!

Best,

Kelsey

Annual Environmental Policy Briefing  
for New England Congressional Staff  
Tuesday, April 19, 2016  
Leighton Hall, 1st Floor  
McCormack Federal Building, 5 Post Office Square, Boston, MA 02109

9:30 a.m. Morning Coffee & meet and greet

10:00 National/ Regional Perspective  
- Curt Spalding, Regional Administrator  
-Deb Szaro, Deputy Regional Administrator

10:45 Coffee Break

11:00 &#8211; 12 Lead in Drinking Water and Emerging Contaminants  
-Jane Downing, Drinking Water Program Director  
-Bryan Olson, Director Office of Site Remediation and  
Restoration

12 &#8211; 12:30 Regional Stormwater (Nutrients, impacts and actions)  
-Ken Moraff, Director Office of Ecosystem Protection

12:30-1:30 \*\*\*Lunch on your own \*\*\* See back side for some local options

1:30 State Delegation Issue Updates

2:45 Pre-scheduled appointments with EPA staff on specific sites,  
topics, or issues

Kelsey O'Neil  
Congressional Liaison, Community Involvement Coordinator  
oneil.kelsey@epa.gov<mailto:oneil.kelsey@epa.gov>  
Office: 617-918-1003  
Cell: 857-998-0226

From: O'Neil, Kelsey  
Sent: Monday, April 18, 2016 9:28 AM  
To: Gutro, Doug; Olson, Bryan; Lovely, William; Murphy, Jim  
Subject: FW: Senator Ayotte letter to EPA



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Attachments: 4.15.2016 Letter to EPA re PFOA.pdf

Good morning,

Please see the attached letter from Senator Ayotte to the Administrator. Matt Flanders, who share this with me, will be attending the briefing tomorrow.

Thanks,  
Kelsey

Kelsey O'Neil  
Congressional Liaison, Community Involvement Coordinator  
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From: Flanders, Matthew (Ayotte) [mailto:Matthew\_Flanders@ayotte.senate.gov]  
Sent: Monday, April 18, 2016 9:09 AM  
To: O'Neil, Kelsey <Oneil.Kelsey@epa.gov>;  
Subject: Senator Ayotte letter to EPA

Kelsey,  
I wanted to make sure you saw the attached letter Senator Ayotte sent to EPA last Friday regarding PFOA in NH. Please let me know if there are any questions, I'll see you at tomorrow's briefing in Boston. Thanks!  
Matt

Matthew Flanders  
U.S. Senator Kelly Ayotte  
(603) 880-3335  
144 Main Street  
Nashua, NH 03060

From: O'Neil, Kelsey  
Sent: Friday, April 15, 2016 1:52 PM  
To: Olson, Bryan; Lovely, William  
Cc: Gutro, Doug; Melanson, Kate  
Subject: RE: EPA Congressional Staff Briefing April 19, 2016

Hi Everyone,

It sounds like there will likely be a meeting next Friday in Litchfield, NH with Congresswoman Kuster's office, the Town, and DES. The congresswoman's staff is still waiting to confirm that DES can attend, they will set a time a location when DES is confirmed. I spoke with HQ and they would like to have someone from OW on the phone for the meeting, Kuster's office is happy to set that up. Understanding that we have not yet done work in NH, role at this meeting for HQ

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will be to put the health advisories in context. I will be out of town and unable to attend the meeting if it does take places next Friday.

Bryan and Bill &#8211; would you be available for a meeting on Friday? If there are others who should be involved, please let me know.

Thank you,  
Kelsey

Kelsey O'Neil  
Congressional Liaison, Community Involvement Coordinator  
oneil.kelsey@epa.gov  
Office: 617-918-1003  
Cell: 857-998-0226

From: O'Neil, Kelsey  
Sent: Wednesday, April 13, 2016 4:03 PM  
To: Olson, Bryan <Olson.Bryan@epa.gov>; Lovely, William  
<Lovely.William@epa.gov>;  
Cc: Gutro, Doug <Gutro.Doug@epa.gov>; Melanson, Kate  
<Melanson.Kate@epa.gov>;  
Subject: FW: EPA Congressional Staff Briefing April 19, 2016

Hi Bryan and Bill,

I got a call an email today from Congresswoman Kuster's office, requesting an in person briefing on PFOA with NHDES, EPA, and the Town of Litchfield. Doug spoke with Jim Martin in the Commissioner Burack's office today to give them a heads up. We are coordinating with OCIR in HQ on next steps. It is not clear if the meeting next Friday will definitely take place, but we wanted to loop you in. I will keep you up to date on any additional details as they come in.

Thanks,  
Kelsey

From: Niazi, Aseebulla [mailto:Aseeb.Niazi@mail.house.gov]  
Sent: Wednesday, April 13, 2016 11:08 AM  
To: O'Neil, Kelsey <Oneil.Kelsey@epa.gov><mailto:Oneil.Kelsey@epa.gov>;  
Subject: RE: EPA Congressional Staff Briefing April 19, 2016

Hi Kelsey,

Great talking with you! Essentially Congresswoman Kuster would love to have a briefing about the PFOA water contamination issue in Litchfield and other communities in southern NH. We were thinking it might be great for her to meet with someone from DES, EPA and the town to go over the latest updates on the situation. We are thinking next Friday (4/22). Let me know who is the best contact at DES to

updated.txt

make something like this happen.

Thanks,  
Aseeb

From: O'Neil, Kelsey [mailto:Oneil.Kelsey@epa.gov]  
Sent: Wednesday, April 13, 2016 10:53 AM  
To: Niazi, Aseebulla  
Subject: Fwd: EPA Congressional Staff Briefing April 19, 2016

Hi Aseeb,

Thank you for the call today, it was nice talking with you! Below is the information about our congressional staff briefing on Tuesday, the 19th. Anyone from your staff is welcome to attend.

Best,  
Kelsey

Kelsey O'Neil  
Office: 617-918-1003  
Cell: 857-998-0226  
Email: ONeil.kelsey@epa.gov<mailto:ONeil.kelsey@epa.gov>

Begin forwarded message:

From: "O'Neil, Kelsey"  
<Oneil.Kelsey@epa.gov<mailto:Oneil.Kelsey@epa.gov>>  
Date: April 8, 2016 at 11:34:37 AM EDT  
To: "O'Neil, Kelsey"  
<Oneil.Kelsey@epa.gov<mailto:Oneil.Kelsey@epa.gov>>  
Subject: EPA Congressional Staff Briefing April 19, 2016

Good morning,

Below is the final agenda for the April 19th staff briefing in our Boston office, also attached to this email. In the afternoon, we will break out into states and have issue specific briefings. We will plan to discuss PFOA and MS4 during that time.

If you would like to schedule and district specific meetings during the lunch break or later in the afternoon, send me an email with the details and I will set up a meeting with the appropriate staff. If you have not RSVP'd yet, I would appreciate a quick email so we have an idea of the number of staff attending.

Please don't hesitate to call or email with any questions. We will likely be

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setting up a conference line and adobe connect if anyone from DC offices would like to listen in. Thanks and have a great weekend!

Best,

Kelsey

Annual Environmental Policy Briefing  
for New England Congressional Staff  
Tuesday, April 19, 2016  
Leighton Hall, 1st Floor  
McCormack Federal Building, 5 Post Office Square, Boston, MA 02109

9:30 a.m. Morning Coffee & meet and greet

10:00 National/ Regional Perspective  
- Curt Spalding, Regional Administrator  
-Deb Szaro, Deputy Regional Administrator

10:45 Coffee Break

11:00 &#8211; 12 Lead in Drinking Water and Emerging Contaminants  
-Jane Downing, Drinking Water Program Director  
-Bryan Olson, Director Office of Site Remediation and  
Restoration

12 &#8211; 12:30 Regional Stormwater (Nutrients, impacts and actions)  
-Ken Moraff, Director Office of Ecosystem Protection

12:30-1:30 \*\*\*Lunch on your own \*\*\* See back side for some local options

1:30 State Delegation Issue Updates

2:45 Pre-scheduled appointments with EPA staff on specific sites,  
topics, or issues

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